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No. XVII., OF VOL. I., 1939. No. 6035. VOL. CCXXXVI. LONDON, SATURDAY, APRIL 29, 1939. Founded 1823. PUBLISHED WEEKLY. Registered as a Newspaper. Pp. 112—Price 1s. Annual Subscription: Inland £2 2s. Abroad £2 10s.

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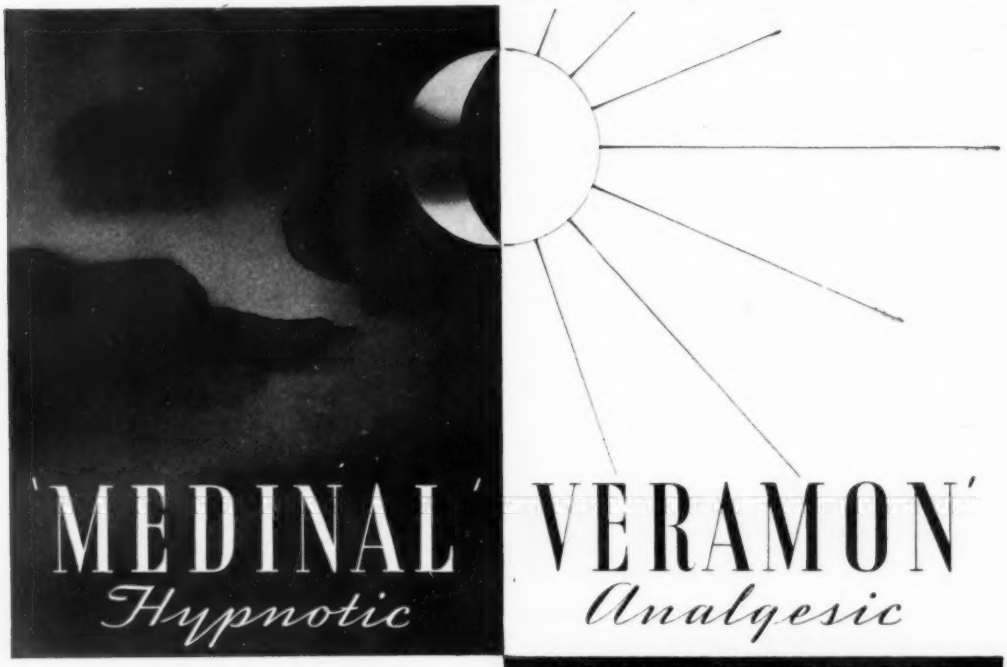

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No. 6035 LONDON: SATURDAY, APRIL 29, 1939 CCXXXVI

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ADDRESSES AND ORIGINAL ARTICLES

INFANTILE DIARRHŒA *

By J. M. Smellie, M.D. Edin., F.R.C.P.
PHYSICIAN TO THE CHILDREN'S HOSPITAL AND THE UNITED HOSPITAL, BIRMINGHAM

From earliest times infantile gastro-enteritis is known to have been a rampant disease with a high mortality. Garrison (1929) records that in England, in the hot summers of 1669–71, 2000 babies died of diarrhœa in eight or ten weeks. Indeed, until recent times most of the deaths in the early years of life were caused by the diarrhœal diseases. It is surprising, therefore, to find that the early writers in pædiatrics did not describe it more frequently and in greater detail than appears to be the case. Ruhräh (1925) has commented on this fact and stated that Benjamin Rush in 1789 was the first writer to give anything like a systematic account of cholera infantum. Rush noted the regularity of its appearance in the summer months and was the first to connect the disease with the hot weather. He gave a very accurate clinical description and refuted the suggestion, apparently current then and heard occasionally even today, that it was due to dentition. He aptly pointed out that it appeared only in one season of the year. Rush's view was that it was a modification of adult cholera and remitting fever, although making its appearance earlier in the season than the adult cases. Apparently the disease was unknown in Europe at that time, and several years later it appeared in certain parts of central Europe and was called "Rush's disease" (Arnold 1927).

Infantile diarrhœa has once previously formed the subject of the Ingleby lectures. This was in 1893, the lecturer being A. H. Carter, who was at that time professor of therapeutics to Mason College and senior physician to Queen's Hospital. His were clinical lectures, emphasis being placed on prophylaxis, particularly the encouragement of breast-feeding. He was fully aware that unsuitable or impure milk was a common starting-point of trouble. Carter classified the diarrhœas into two main groups, the non-inflammatory and the inflammatory, the former variety being due to food errors and sometimes teething. The inflammatory diarrhœas he recognised to be due to bacterial infection, sometimes found in the food but usually unknown. The severe course, the high mortality, and the inadequacy of satisfactory methods of treatment received due consideration. It is interesting to note that about that time parenteral therapy was apparently just beginning to come into use, for Carter mentioned that subcutaneous saline might be beneficial, but he personally had not had any experience of its employment.

There must have been a very severe epidemic of infantile diarrhœa in Birmingham in 1893, for the medical officer of health for the city (Dr. Alfred Hill) recorded (1894) that the deaths in that year exceeded those in any previous year except 1875. The deaths were in the proportion of 1·7 per 1000 persons living, and the rate varied widely in different localities. The central, most densely populated, and slum subdistricts suffered most severely, in contrast to the better-class residential districts, where the mortality was low. Parsons (1924) also has drawn attention to the fact that in the years 1912–16 the total infant mortality-rate in this city was two and a half times greater in the central than in the outlying districts. In his report Hill pointed out that a high summer temperature was the exciting cause of the epidemic prevalence of diarrhœa but was not in itself the essential cause of the disease. He contended that the unequal incidence of the disease in the various districts of the city, which was noticeable throughout the country as it was in Birmingham, would of itself be sufficient to prove this, and he concluded that heat, although no doubt the chief exciting cause, was not the primary cause of summer diarrhœa.

During the last forty-four years there has been a notable reduction in the death-rate from infantile diarrhœa. In 1893 the rate for the whole of England and Wales was 0·7 per 1000 of the population, and in 1937 this rate had dropped to 0·08; the corresponding figures for the city of Birmingham are 1·2 in 1893 and 0·08 in 1937. It will be noticed that, whereas in 1893 the Birmingham rate was nearly double that of the whole of England and Wales, in 1937 this had dropped to the average for the whole of the country. Even today, however, acute gastro-enteritis is still a menace to infant welfare, particularly during the first twelve months of life. It shows its greatest incidence among the poor and the malnourished, and its mortality remains high. Improved sanitary conditions, a better and cleaner milk-supply, and the adequate cleansing of feeding utensils have contributed to a considerable decrease in the incidence of the diarrhœal diseases. Nevertheless these still take a considerable toll of infant life.

The ætiology of the disease is complex and diverse, but its clinical manifestations are typical and characteristic. Moreover, owing to its well-known and frequently observed infectivity, the problem of the nursing and management of these patients in hospital causes considerable anxiety. In spite of all possible precautions this disease is liable from time to time to sweep through a ward, often with tragic results.

For the last few years a small ward in the Birmingham Children's Hospital has been set aside exclusively for the reception and treatment of infants suffering from gastro-enteritis. Thus, all such children have been segregated from the other patients in the hospital, and a more intensive study of the problem has been rendered possible. The nursing has been carried out on "barrier" principles, every nurse being both masked and gowned, every infant being regarded as suffering from an acutely infectious and contagious disease. The ratio of nurses to patients in the ward is 4 to 7. These lectures are based on a study and analysis of the first 500 infants who have been treated in this ward.

FEEDING HISTORY AND NUTRITION

The important part that breast-feeding plays in the prevention of all gastro-intestinal upsets and diseases has been recognised by practising pædiatricians for many years. Ever since the artificial feeding of infants became prevalent, all writers have recognised the increased incidence of the diarrhœal diseases among such babies. As has already been mentioned, Carter (1893), forty-six years ago, laid emphasis on the prophylactic value of breast-feeding, and recently Spence (1938) has declared that it is beyond all question that breast-fed infants show a greater freedom from disease and a greater power of recovery from disease than artificially fed infants. My figures very strongly support and confirm

* Ingleby lectures delivered at the University of Birmingham on March 28 and April 4, 1939.

the accuracy of these statements. Only 12 infants had been entirely breast-fed up to the time of admission with gastro-enteritis; two died, one from bronchopneumonia, the other from bilateral mastoiditis. Furthermore, out of 375 infants under the age of nine months only 154, or 41 per cent., had been breast-fed for a month or more. The mortality-rate in this group was 25·9 per cent., which contrasts with a mortality-rate of 76·6 per cent. in those who had never been breast-fed. Thus, although there was not a great deal of difference in the incidence of gastro-enteritis in partially breast-fed and in entirely artificially fed infants, the mortality-rate in the latter group was more than three times greater than in the former.

The influence of the state of nutrition on the prognosis was not as great as might perhaps have been anticipated. It is now generally agreed that an infant 14 per cent. or more under its expected weight for age should be considered to be suffering from marasmus, malnutrition, or infantile atrophy (Maitland-Jones 1933). All infants suffering from gastro-enteritis are also suffering to a greater or lesser extent from dehydration. I have therefore allowed an additional 6 per cent. for this factor and only regarded as marasmic those infants whose weight on admission was 20 per cent. or more under the expected weight for age. Using this criterion I find that of my 500 cases 188 (37·4 per cent.) may be classified as marasmic; 89 of these recovered and 99 died.

DURATION OF SYMPTOMS

The duration of symptoms before admission to hospital varied widely, but the patients can be grouped conveniently into two main divisions: those whose symptoms had been present for only a few days (the acute cases) and those who had had symptoms for more than a week (the subacute or chronic cases). Thus, 377 (75·4 per cent.) were acute and the remaining 123 were subacute or chronic.

Of the acute cases 82 were transferred from other wards of the hospital, having developed their gastro-intestinal symptoms after admission for other diseases; 48 of these infants died. Some on admission were suffering from an acute infection, such as bronchitis, pneumonia, otitis media, or cellulitis, and the gastro-enteritis was a complication of this initial infection; but, on the other hand, there were some who had been admitted to the surgical wards for a simple operation, and an analysis of these reveals a number of tragedies which unfortunately are common to all children's hospitals and continue to recur from time to time in spite of all possible precautions. Seven infants developed diarrhœa after radium treatment for hæmangiomata, nævi, or moles, and it appears that the gastro-intestinal upset may have been a direct consequence of such treatment—at any rate that is the impression I have received.

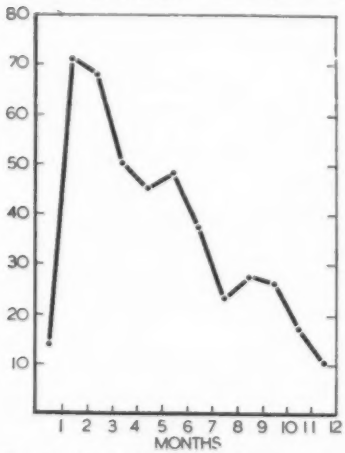

FIG. 1—Age-incidence of infantile diarrhœa in 436 infants under 1 year.

Incidence and Mortality

Infantile diarrhœa is essentially a disease of the early months of life (fig. 1). Of the cases that I have studied 375 (75 per cent.) were under the age of nine months, and only 64 (12·8 per cent.) were more than one year of age. The highest incidence was in those between the ages of one and two months, and from the third month of life onwards there was a steady and progressive fall. Surprisingly few were seen in the neonatal period.

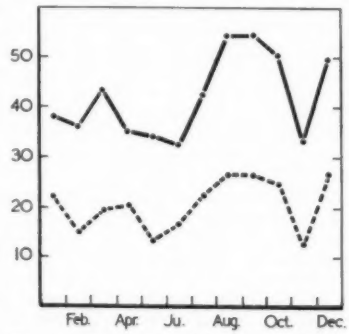

FIG. 2—Seasonal incidence of infantile diarrhœa in 500 infants. Dotted line represents fatal cases.

MORTALITY

Of these 500 infants 240 died, giving a mortality-rate of 48 per cent., but included in this figure were some who were moribund on admission and died within a few hours. The mortality-rate in the Glasgow series recently published (Cooper 1937) was 47·2 per cent., but other observers have recorded a much lower rate. In America a considerably lower mortality has been recorded, but it is difficult to assess the severity and toxicity of their cases—they probably included many mild ones.

As has already been mentioned, of those infants under nine months who had never been breast-fed 76·6 per cent. died, and moreover 41·3 per cent. of those who died were marasmic at the time of admission. There was but little difference in the mortality-rate between the acute and the subacute or chronic groups; in the former the rate was 49 per cent. and in the latter 44·7 per cent. Another significant point, particularly with reference to the ætiology of infantile diarrhœa, is that the mortality-rate was practically the same in the winter months and in the summer months.

SEASONAL INCIDENCE

Until recently infantile diarrhœa has been predominantly a disease of the summer months (fig. 2), and in the past innumerable theories have been advanced to explain the reason. I believe that the notable improvements in the public-health services, the better and cleaner milk-supply, the introduction of dried milks, and the all but complete abolition of horse transport from the industrial areas are the factors that have caused an almost complete disappearance of the "summer diarrhœa" of the last decade. In my experience this type of the disease with its characteristic seasonal incidence, explosive outburst, and great infectivity is nowadays a rarity. It is true that my figures show a slightly increased incidence from July to October, but this is not material.

Today the problem of infantile diarrhœa is different from what it has been in the past. Then the severity, the acuteness, and the appalling mortality of the well-known and dreaded "cholera infantum" absorbed attention to such an extent that the

occurrence and incidence of other forms and varieties of diarrhœa (except perhaps the dietetic) were almost completely overlooked. The "summer diarrhœa" of textbooks has to all intents and purposes been completely eradicated, and we are now called on to deal with a disease that is of mixed ætiology and moreover is present with us the whole year through, summer and winter alike. In consequence, the views expressed in the past as to the ætiology of the infantile diarrhœas must be revised.

Classification and Causation

The classifications of the infantile diarrhœas have passed through various phases and reflect to some degree the advances in medical knowledge. In the first instance the cases were divided into groups based entirely on the symptomatology, as shown, for example, in Carter's use of such terms as simple, recurrent, or persistent diarrhœa and cholera infantum. Presently this was appreciated to be very inadequate, and then followed attempts at classification on the basis of the supposed anatomical sites of the lesion. This led to the introduction of gastro-enteritis, enterocolitis, ileocolitis, and so on, but it came to be recognised that there was no correspondence between morbid anatomy and the different varieties of diarrhœa. The rise in the knowledge of bacteriology seems to have been the reason for the next attempts at classification, and all infantile diarrhœas were considered to be due to infection by micro-organisms. The different varieties of dysentery infection were recognised, Morgan's bacillus was isolated, and various types of streptococci, *Bacillus coli*, and *Bacillus enteritidis* were identified. Soon the subject became, and in fact remains, a difficult and complicated one which is still far from solution. Early in the present century the German workers Czerny, Keller, and Finkelstein published their investigations on metabolism. Thus the importance of the proper utilisation of the various food constituents was recognised and the disorders resulting from disturbance were appreciated. In consequence all digestive ailments, including diarrhœa, were thought to be due to food errors and metabolic upsets, and so we find that Finkelstein's "decomposition" and "intoxication" were widely adopted.

A satisfactory classification has not yet been evolved, and nowadays much attention is being focused on infection in parts of the body other than the alimentary tract. It almost seems that we have travelled round the globe and are returning to views of disease as expressed by Rush about a hundred and fifty years ago. He noted the cure of articular disease by removing diseased teeth. In these circumstances I hesitate to advance any classification of the infantile diarrhœas, but I suggest that the following has the advantage of being simple yet adequate in the present state of knowledge

Infective.—Due to known pathogenic organisms—e.g., dysentery and typhoid.

Infectious.—Unknown enteral infection without demonstrable pathogenic organisms.

Parenteral infections.—Upper respiratory tract, bronchitis, pyelitis, and other infections.

Dietetic.—Improper feeding—e.g., excess carbohydrate or fat, and other errors.

INFECTIVE DIARRHŒA

I am not here concerned with the true infective diarrhœas due to known pathogenic organisms. All the infants admitted to the ward had their stools examined bacteriologically, and those with dysentery or typhoid were transferred immediately. In passing, however, it is interesting to record that the incidence of infective diarrhœa was extremely low—in fact less than 1 per cent. of the total admission to the ward. Although I do not wish to infer that dysentery is a rare disease in infancy, it does appear that its recognition on clinical grounds alone can be made with a considerable degree of accuracy. If an infant with diarrhœa is found to be passing blood and mucus in its stools, there is a strong probability that it is suffering from dysentery and should be isolated. Conversely, the presence of blood and mucus in the stools of infants suffering from non-dysenteric diarrhœa is a rarity.

DIETETIC DIARRHŒA

Dietetic diarrhœa also has been of negligible incidence, and such cases as were encountered have been excluded from this series. In any event, they can be detected readily, and most of these infants are treated easily and satisfactorily without admission to hospital. The few that were admitted responded rapidly, and the duration of their stay was short.

INFECTIOUS DIARRHŒA

There were 151 infants who never showed at any time any clinical evidences of parenteral infection, in spite of their being subjected to innumerable searching examinations and investigations. The resident medical staff of the hospital have been taught to favour the view that infantile gastro-enteritis is due to parenteral infection until this possibility has been excluded, and this opinion I have deliberately encouraged so that no infection shall escape detection and treatment.

Some observers state that urinary infection is an almost constant accompaniment of infantile diarrhœa, but this has not been our experience. All severely dehydrated infants are more or less anuric on admission, and in the ordinary way a day may pass before a specimen can be obtained for examination. Feeling that perhaps we were missing some cases, for a time a catheter specimen of urine was obtained from every infant as soon after admission as possible. These specimens were examined in the pathological department of the hospital, and the occurrence of demonstrable urinary infection was insignificant. Moreover, as will be noted later, the incidence of urinary infections in those fatal cases that came to autopsy was negligible; nor in fact was any such infection found post mortem that had not been diagnosed during life. My opinion, based on this experience, is that it is undesirable and unnecessary to submit every infant to catheterisation when they are so desperately ill, unless definite clinical evidence exists.

With regard to infections in the upper respiratory tract, every infant on admission and daily thereafter was carefully and thoroughly examined for such infection. Every case in which there was even the slightest doubt was immediately submitted to an examination by a member of the staff of the ear and throat department of the hospital. In fact, the registrar of this department conducted a routine search for possible infection in almost every infant at short intervals, and if necessary a diagnostic paracentesis was performed. Thus, I consider it can be claimed, with justification, that no infant with demonstrable parenteral infection escaped detection.

Some may think that this group consisted largely of infants suffering from simple dietetic diarrhœa. When, however, it is pointed out that pyrexia was

commonly present at some stage of the illness, that a few had been entirely breast-fed, and that the history of the others did not give any suggestion of dietetic errors, I feel that some infection must be the ætiological factor. An enormous amount of research, bacteriological and other, has been carried out by different workers in the investigation of these cases, but the position remains confused. Much of the bacteriological work has been centred on the dysentery and streptococcal groups. From time to time a particular organism has been identified and blamed, but the claims had not been supported by other observers. It is appreciated that the bacteriology of the gastro-intestinal tract is fraught with difficulty and perplexity, but for the present it must be admitted that the case against any particular organism is non-proven. Perchance the investigations regarding virus infections that are now being pursued will elucidate this problem. The death-rate in this group was low—17 cases (11·3 per cent.). In 8 there was no autopsy but in the other 9 no pathological lesions outside the gastro-intestinal tract were found post mortem.

PARENTERAL INFECTIONS

A vast literature is growing up round the question of the association between parenteral infection—particularly in the upper respiratory tract—and infantile diarrhœa, and very widely divergent opinions are expressed. That there is a very close connexion between these two diseases was first propounded many years ago, and this view has continued to receive a considerable volume of support ever since. A few references will serve to demonstrate the opposing schools of thought.

Floyd (1925), Jeans and Floyd (1926), and Marriott (1928), after careful investigation of the problem, came to the opinion that toxicity arising from infection of the mastoid air-cells produced gastro-intestinal symptoms in infants generally diagnosed as acute intestinal intoxication.

During the last several years the incidence and significance of otitis media in early childhood has been carefully studied in the pathological department of the Birmingham Children's Hospital, and Ebbs (1937) has published his results. He analysed the post-mortem findings in the middle-ear and mastoid regions in 880 children varying in age from birth to 14 years. He drew particular attention to the associated gastro-intestinal disturbances and expressed the opinion that the diarrhœa and vomiting syndrome of infants (excluding the dysentery group) was due to or at least associated with parenteral infection somewhere in the body in all cases. He divided them into two groups: the larger consisting of those cases which were secondary to an upper respiratory infection, and the smaller beginning with one of a great variety of parenteral infections which developed the intestinal symptoms during the course of the illness and sometimes as a terminal event. He appreciated that he was quoting post-mortem figures but claimed that his impressions were supported from observations of a large number of clinical cases.

Le Mée (1937) considered that pus found in the middle ear at autopsy was really a post-mortem empyema due to the penetration of the pharyngeal liquid into the middle ear. Ebbs combated this opinion by remarking that, if such were the case, one would expect to find milk and other fluids draining into the middle ear. None was found in any of the cases he examined. This reply, however, hardly meets the case, in that fluid is not likely to remain in the pharynx after death, whereas mucopurulent secretion would.

Another of my colleagues at the Birmingham Children's Hospital (Adams 1937) has also drawn attention to the diarrhœa and vomiting complex in its association with otitis as seen in the practice of otology. In his experience those patients in whom the diarrhœa and vomiting was a late manifestation of a primary otitis adequate surgical treatment was usually successful in arresting it.

McConkey and Couper (1938) analysed their cases of otitis media and mastoiditis in infancy and found confirmation for the theory that the diarrhœa and vomiting syndrome was frequently caused by the presence of otitis media and latent mastoiditis. The death-rate of such infants was 84·8 per cent., being highest in the age-group of 1–3 months.

The other side of the picture has been presented by Johnston and his colleagues (1933), who found that 63 per cent. of their patients with diarrhœa suffered from otitis media, but a control group showed over 60 per cent. of otitis without diarrhœa. Their conclusion was that masked mastoid infection was not a cause of infantile gastro-enteritis.

Similar views were expressed by Yampolsky (1933) after a study of 500 cases. Findlay (1932) was extremely sceptical of any relation between the two diseases. His postoperative results were inconclusive, and his impression was that at times surgical treatment had been definitely harmful. He concluded that it had certainly not been demonstrated that focal sepsis, especially otitis media, was a serious responsible factor.

In this country the incidence of otitis media and mastoiditis is much greater in the winter than in the summer. The chart published by Adams (1937) showed this very well. On the other hand, the opposite has been true for infantile diarrhœa in the past, though my figures show that the curve is now flattening. Were upper respiratory-tract infections so frequently the cause of gastro-enteritis, these two curves should approximate much more closely. Another point of significance is that during 1937 167 children (some of whom were under two years of age) were admitted to the Birmingham Children's Hospital with otitis media or mastoiditis, and in these the disease ran its course without the development of any gastro-intestinal symptoms.

For reasons already stated I cannot subscribe to the opinion that all cases of infantile diarrhœa (excluding dysentery) are due to parenteral infection, either in the upper respiratory tract or elsewhere. To say, as some have, that the infection is so slight as to be unrecognisable merely begs the question. The association between the two has been admirably expressed by Mitchell and his co-workers (1929), who have pointed out that there are four possible explanations of the observed coexistence of these diseases: (1) the infection in the middle ear may cause the gastro-enteritis; (2) the gastro-enteritis may cause the condition in the middle ear; (3) the same cause may explain both; and (4) they may be independent diseases. These workers expressed the belief that no one cause could explain every case, and with this view I am in complete agreement.

Of my 500 patients 231 (46·2 per cent.) showed unequivocal signs of parenteral infection on admission to the ward. This infection was distributed as follows:

Otitis or mastoiditis	125	Nasopharyngitis	5
Bronchitis or pneumonia	74	Cellulitis or dermatitis	5
Stomatitis	11	Peritonitis	2
Urinary infections	8	Osteomyelitis	1

Of these patients 130 died, giving a mortality-rate of 56·3 per cent.

Besides these 231 infants 90 others developed clinical signs of parenteral infection after admission to hospital, and of these 65 died, giving a death-rate of 72·2 per cent. In the large majority the infection

that arose was in the upper respiratory tract and was usually an otitis or a mastoiditis. Yet a further group of 28 that died and came to autopsy were found at that examination to have an infection that had not been detected clinically: in 17 the infection lay in the ear, and in the remaining 11 it was a bronchopneumonia, in many instances only a terminal event, a mode of dying rather than a cause of death. The ætiological significance of the infection in those infants who only developed clinical signs some time after admission for their gastro-intestinal symptoms is a difficult but very important question. The adherents of the parenteral theory will claim that this infection, although only discovered subsequently, was undoubtedly the cause of the diarrhœa. I cannot accept this as an established fact. It is well known that any nutritional disorder lowers the resistance of an infant to all infections, and this is particularly true of gastro-enteritis and its concomitant dehydration. My experience has taught me that an acute otitis can cause an acute gastro-enteritis—that is to say, is the sole ætiological factor—but I also maintain that an infant suffering from gastro-enteritis may very readily contract an acute otitis, but here the otitis is a complication and not the cause. I prefer to use the term "secondary otitis" for the latter to differentiate it from the former. In this connexion Marriott et al. (1933) observed that parenteral infections complicated the picture in 66 per cent. of their cases of true dysentery; the mortality was 28 per cent. in the group with secondary infections but only 10 per cent. in those uncomplicated by such infection.

Whatever opinion may be held concerning the part parenteral infection plays in the ætiology of infantile diarrhœa, the treatment of such infection whenever it develops is of paramount importance. I cannot agree with Findlay (1932). It is true that an immediate response to surgical treatment was not often seen, but experience has convinced me that we were able to save the lives of some of the babies. The operative procedures must be conservative and cautious and the coöperation between the pædiatrician and the otologist close and continuous. In any event any parenteral infection increases considerably the gravity of the illness, and this must be constantly borne in mind in assessing the results. Half of the children admitted with otitis or mastoiditis died, but of those who developed such an infection as a complication about three-quarters succumbed. The diarrhœa in the latter group, not being caused by the infection, was less favourably influenced by surgical treatment.

(*To be concluded*)

REFERENCES

Adams, S. (1937) *Proc. R. Soc. Med.* **30**, 1308.
Arnold, L. (1927) *Arch. Pediat.* **44**, 71.
Carter, A. H. (1893) *Prov. med. J.* **12**, 236, 292, 349.
Cooper, E. D. (1937) *Arch. Dis. Childh.* **12**, 339.
Ebbs, J. H. (1937) *Proc. R. Soc. Med.* **30**, 1297.
Findlay, L. (1932) *Arch. Dis. Childh.* **7**, 307.
Floyd, M. L. (1925) *Arch. Otolaryng., Chicago*, **1**, 411.
Garrison, F. H. (1929) History of Medicine, 4th ed., Philadelphia.
Hill, A. (1894) Report on the Health of the City of Birmingham.
Jeans, P. C., and Floyd, M. L. (1926) *J. Amer. med. Ass.* **87**, 220.
Johnston, M. M., Brown, A., Tisdall, F. F., and Fraser, D. T. (1933) *Amer. J. Dis. Child.* **45**, 1.
Le Mée, J. M. (1937) *Proc. R. Soc. Med.* **30**, 1293.
McConkey, G., and Couper, E. C. R. (1938) *Arch. Dis. Childh.* **13**, 137.
Maitland-Jones, A. G. (1933) in Parsons and Barling's Diseases of Infancy and Childhood, London.
Marriott, M. (1928) *Arch. Otolaryng., Chicago*, **7**, 13.
Marriott, W. M., Hartmann, A. F., and Senn, M. J. E. (1933) *J. Pediat.* **3**, 181.
Mitchell, A. G., McCarthy, M. F., Leichliter, J. W., and Seinsheimer, F. (1929) *J. Amer. med. Ass.* **92**, 970.
Parsons, L. G. (1924) *Lancet*, **1**, 687.
Ruhräh, J. (1925) Pediatrics of the Past, New York.
Spence, J. C. (1938) *Brit. med. J.* **2**, 729.
Yampolsky, J. (1933) abstract in *Arch. Pediat.* **1**, 444.

SPECIFIC IMMUNITY IN ACUTE STAPHYLOCOCCAL OSTEOMYELITIS

WITH SOME OBSERVATIONS ON THE CAUSATION OF PYÆMIA

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DURING the past eighteen months one of us (E. C. B. B.) has been reviewing 500 cases of acute osteomyelitis admitted to the London Hospital during the past twenty years. It seemed to us both that this work could be usefully expanded by a detailed bacteriological and serological examination of a series of fresh cases of staphylococcal infection.

In previous papers (Panton and Valentine 1932 and Valentine 1936) evidence was brought forward indicating that in cases of serious staphylococcal infection the invading strain of cocci usually produces a toxin in which the leucocidin is present in considerable amount whereas the content of α-hæmolysin is variable and bears no relationship to the severity of the infection; in addition, the titration of a few samples of serum from such cases seemed to show that in response to the infection the production of antileucocidin exceeded that of antihæmolysin. Since then Lyons (1937) has claimed that the cocci in 3-hour cultures differ from those incubated longer in the possession of a capsule and has suggested that the development of antibodies capable of action on the young encapsulated cocci is an important factor in staphylococcal immunity.

This paper is concerned only with the acute phase of staphylococcal osteomyelitis. An attempt has been made to follow the development of specific antibodies in the serum and to correlate the results with the clinical severity of the infection, the persistence of bacteræmia, and the outcome of the disease. Since there is no reason to suppose that β-hæmolysin is of importance in human infection, attention has been concentrated on the α-hæmolysin, leucocidin, and their antitoxins, and on the agglutinin. The cases which will be described include 7 cases of acute osteomyelitis in which the patients survived, 2 of fatal pyæmia associated with bone infection, and 1 of pyæmia with no bone involvement.

TECHNIQUE

The methods used in making toxin and in titrating toxin and serum have already been described (Valentine 1936). Slight improvements in these methods are given below, and the standards employed in quantitative estimations are defined.

(1) *α-hæmolysin and its antitoxin* were estimated in the usual way with a standard antiserum used as control and rabbit red cells as indicator. The strength of toxins will be expressed as the L.H. dose, the volume of toxin which is still feebly hæmolytic after mixing with 1 international unit of antitoxin. Antihæmolysin (α) in serum will be given in international units.

(2) *Leucocidin and antileucocidin* were titrated against and compared with the Burroughs Wellcome standard K serum, B 8760. Antileucocidin in serum will be given in terms of K. Leucocidin in toxin will be expressed in terms of L, which indicates a concentration of leucocidin active after mixing with its

own volume of K serum diluted 1 in 200 but inactive in the same volume of K/100. For testing sera in the present work toxin dilutions have been used which were active when mixed with the same volume of K/125 but inactive against K/100. Three slight modifications have been made in the technique of the test as previously described.

(*a*) As a routine 0·2 c.cm. of serum or diluted serum is mixed with 0·2 c.cm. of toxin and after five minutes two drops of washed concentrated human cells are added from a Pasteur pipette. This prevents contact between the cell suspension and the side of the tube.

(*b*) It has been found unnecessary to add human serum before making the films.

(*c*) The films are now stained with a watery solution of methylene-blue (about 1 per cent.) for two or more minutes, washed, and blotted. The red cells being hæmolysed, intact polymorphonuclear cells can easily be recognised under the $\frac{2}{3}$ in. objective and distinguished from lymphocytes and the ghosts of cells which have been destroyed.

(3) *Antibody for young cocci.*—Sera have also been examined for their ability to agglutinate homologous suspensions of young cocci. The technique which has been followed is similar to that described by Lyons (1937), except that ordinary nutrient broth has been used, without the addition of glucose, and a somewhat larger inoculum made. This procedure seems to give suitable suspensions of the typical large cocci. In some cases daily subcultures had to be made for a few days before a stable suspension was obtained. The suspensions were controlled against saline and normal rabbit serum. The development of agglutinins in the serum appears to be very slight in cases of acute osteomyelitis during the first three weeks; hence positive reactions at this stage were only obtained with undiluted serum. The strength of the reaction will be indicated by the number of + signs, ++++ denoting complete agglutination.

(4) *Blood-culture.*—Blood for culture and serum tests was taken into a 10 c.cm. syringe, and 1 c.cm. was at once mixed with a small volume of citrate, brought back to the laboratory, and incorporated in an agar-plate culture. The rest of the blood was allowed to clot in a sterile tube, and as soon as possible the serum was removed with aseptic precautions. Broth was then added to the clot and incubated.

(5) *Preparation of toxin.*—The technique for toxin production has been previously described. A mixture of 30 per cent. CO_2 and air has been used latterly. It does not seem to matter whether incubation is carried on for 24 or 48 hours. It must be remembered that the practice of filtering toxins through candles or Seitz filters removes some toxin, especially leucocidin, and thus often exaggerates differences in titre in toxins prepared from different strains. Throughout the present work toxins have been passed through Seitz E.K. disks before titration.

CASE-RECORDS OF PATIENTS WHO SURVIVED

Throughout this paper the day on which symptoms of bone infection appeared will be regarded as the first day of disease, and subsequent events will be dated accordingly.

CASE 1.—Male, aged 11, had fever and pain in an ankle after injury. He was admitted on the fifth day, delirious, with extreme tenderness over lower third of tibia and spleen palpable. Operation: the bone was drilled, and thin pus was found in the medulla. His general condition improved greatly after operation and reached quiescence after the second week. In the third month a quietly spreading lesion was found in the ileum. *Primary lesion:* probably a small abscess in the roof of the mouth, but the history was indefinite.

CASE 2.—Female, aged 9, admitted after four days' pain in an ankle. She was ill but coöperative. At operation on admission pus was found under the periosteum of the tibia, oozing from the medulla at the epiphysial line; the bone was drilled for drainage. The patient was much improved after operation, but some toxæmia remained till the end of the second week. *Primary lesion:* none found.

CASE 3.—Male, aged 13, admitted after three days' pain in a hip. Illness was severe, but there was no rigor or delirium. The original lesion in the ileum spread slowly to involve half the pelvis. No operation was done, but the hip-joint was immobilised. There was long-continued fever due to spread of the local lesion; there was no distinct crisis in the illness. *Primary lesion:* a large boil on the back, starting four days before the bone lesion.

CASE 4.—Male, aged 9, admitted after three days' pain in a hip. He was never seriously ill, but there were signs of arthritis of hip. No operation was done, but the hip-joint was immobilised. The course of the illness was mild. The diagnosis was uncertain till radiography in the sixth week showed a lesion in the neck of the femur. *Primary lesion:* a crop of shallow pustules round the mouth.

CASE 5.—Male, aged 14, had a sudden pain in a knee with shivering and nausea. He was admitted on the second day, ill but not delirious, with signs over the upper part of the tibia. At operation pus was found in the tibia after drilling the bone; third day: delirious and incontinent for two days; seventh day: signs of infection of the lower third of the tibia; eighth day: fluid was found in the knee; tenth day: the patient being no better, 50 c.cm. of antitoxin was administered intramuscularly; twelfth day: the general condition for the first time definitely improved, and the knee was aspirated. The whole diaphysis of the tibia was ultimately involved, with greatest destruction in the upper third. *Primary lesion:* none found.

CASE 6.—Female, aged 18, had pain in the right thigh following one week after an attack of "influenza" preceded by an infected corn. She was admitted on the fourth day with no delirium, but she was feverish and in great pain. At operation, pus was found stripping up the periosteum; the bone was drilled, but no pus was found in the medulla. There was subsequent steady improvement. *Primary lesion:* infected corn.

CASE 7.—Male, aged 13, had pain in a knee after injury. He was admitted on the fourth day not seriously ill, but with signs localised below the tibial tuberosity. Sixth day: at operation the periosteum was found stripped over a small area; the bone was not drilled. There was subsequently steady improvement, but later radiography showed involvement of the upper third of the bone. *Primary lesion:* none found.

BACTERIOLOGICAL AND SEROLOGICAL FINDINGS

The results in these seven surviving patients are shown in the table. Each examination of the blood is listed under the day of disease on which the sample was taken, and at the end of the table is given the titre of the toxin produced by the infecting strain. In fig. 1 are shown the antihæmolysin curves in the seven cases, and in fig. 2 the antileucocidin curves. (Since the highest titres of antihæmolysin and antileucocidin likely to be found in human serum are respectively about 30 units and 3K, these levels have been made comparable in the figures.)

The level of antihæmolysin in normal human serum averages about 0·5 unit and seldom rises above 1 unit. Antileucocidin usually lies between 0·01K and 0·08K.

SPECIFIC ANTIBODIES IN SERUM IN ACUTE STAPHYLOCOCCAL OSTEOMYELITIS

Day of disease	Case 1	Case 2	Case 3	Case 4	Case 5	Case 6	Case 7
2	..	..	..	..	(a) 0·2 (b) 0·01K (c) — (d) +*	..	..
4	..	..	..	(a) 0·4 (b) 0·02K (c) — (d) —	..	(a) 0·2 (b) 0·01K (c) — (d) +1	..
5	(a) 0·4 (b) 0·08K (c) — (d) +*	(a) 0·4 (b) 0·08K (c) — (d) +*	(a) 0·4 (b) 0·08K (c) — (d) +20	..	..	..	(a) 0·4 (b) 0·04K (c) — (d) —
6	..	(a) 0·4 (b) 0·08K (c) + + (d) —	..	(a) 0·4 (b) 0·02K (c) — (d) —	(a) 0·2 (b) 0·01K (c) — (d) —	(a) 0·2 (b) 0·02K (c) trace (d) —	..
7	..	..	(a) 0·4 (b) 0·16K (c) — (d) +12	..	..	..	..
8	..	..	..	..	(a) 0·2 (b) 0·04K (c) — (d) +0	..	..
9	..	..	(a) 0·4 (b) 0·32K (c) — (d) +12	(a) 0·4 (b) 0·02K (c) — (d) +0	..	(a) 3·0 (b) 0·32K (c) + (d) —	..
10	(d) +4	..	..	..	50 c.cm. antitoxin	..	(a) 0·4 (b) 0·08K (c) — (d) —
12	(a) 2·0 (b) 2·5K (c) — (d) +2	..	(a) 1·5 (b) 2·0K (c) — (d) +20	..	(a) 1·0 (b) 1·0K (c) — (d) —	..	..
13	..	..	..	(a) 0·8 (b) 0·04K (c) — (d) —	..	(a) 13·0 (b) 0·64K (c) + (d) —	..
14	..	(a) 8·0 (b) 0·64K (c) — (d) —	(a) 3·0 (b) 2·5K (c) — (d) —	..	(a) 1·0 (b) 1·3K (c) + (d) —	..	..
15	..	..	..	..	..	..	(a) 0·8 (b) 0·64K (c) — (d) —
16	(a) 2·0 (b) 3·0K (c) + + + (d) —	..	(a) 3·0 (b) 2·5K (c) + (d) —	..	..	..	..
18	..	..	..	(a) 7·0 (b) 0·16K (c) trace (d) —	..	..	..
20	..	..	..	..	..	(a) 11·0 (b) 0·64K (c) + (d) —	..
21	..	(a) 5·0 (b) 0·5K (c) — (d) —	..	..	(a) 0·4 (b) 1·4K (c) + + (d) —	..	(a) 1·5 (b) 0·64K (c) — (d) —
Titre of toxic filtrate	LH 0·2 c.cm., 8L	LH 0·5 c.cm., 4L	LH more than 1 c.cm., 10L	LH 0·05 c.cm. less than L	LH 0·5 c.cm., 8L	LH 0·2 c.cm., 4L	LH more than 1 c.cm., 1L

No examination of blood took place on the 1st, 3rd, 11th, 17th, and 19th days of disease.
* Quantitative blood-culture not done.
(a) denotes titre of antihæmolysin (c) denotes titre of agglutinin
(b) „ „ „ antileucocidin (d) „ blood-culture with number of colonies per c.cm.

Homologous agglutinins, with one exception (case 9), have not been found in the first sample of serum taken.

In the seven surviving cases the clinical illness was severe in cases 1, 3, and 5, moderately severe in cases 2 and 6, and relatively mild in cases 4 and 7. If the serological findings are now examined in this connexion, it will be seen that in the three most serious cases the response in antihæmolysin to the infection was slight or negligible, whereas that in antileucocidin was striking. In the milder cases there was sometimes a considerable rise in antihæmolysin, whereas that of antileucocidin, though constantly present, was limited. The moderate severity in cases 2 and 6 was probably due to the fact that in the former the tension within the bone was partially relieved by the escape of pus at the epiphysial line, whereas in the latter the infection was subperiosteal. Cases 4 and 7 will be considered later in relation to the toxigenicity of the infecting strains.

If cases 1, 3, and 5 are now compared with each other, there can be no doubt that the condition of case 5 was more critical than that of the two others. This cannot be correlated with the degree of bacteræmia, which was obviously heavier in cases 1 and 3, but it is in accordance with the original titre of antileucocidin in the three cases, and, further, the general condition of case 5 improved at once when a high titre was established. This patient received 50 c.cm. of horse antitoxin (titre about 250 units and 2·5K) on the tenth day intramuscularly, because his condition remained critical and the blood-culture was again positive. Between the eighth and the

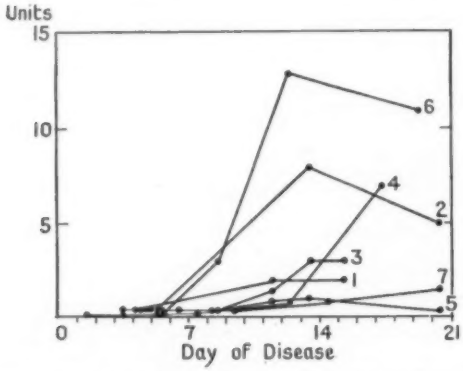

FIG. 1—Antihæmolysin curves in seven cases of acute staphylococcal osteomyelitis.

twelfth days the serum antihæmolysin rose from 0·2 to 1 unit, thereafter falling back to 0·4 unit. This rise was presumably entirely due to the injected serum. During the same period the antileucocidin rose from 0·04K to 1K, a rise of which not more than 0·1K (at most) could have been directly due to the injected antitoxin. After the twelfth day the curve flattened out but ultimately reached the record figure of 4K. It seems possible that the rapid rise was due to the relief afforded to the antibody-forming mechanism by the injected antileucocidin. The clinical improvement coincident with this rise was striking.

TOXIGENICITY OF STRAINS

It will be seen that, with the exception of those from cases 4 and 7, in which the general symptoms were least severe, the infecting strains produced a potent leucocidin. On the other hand, the production of hæmolysin varied considerably and was highest in case 4. The lesion in this case was in the neck of the femur, usually a dangerous site, and the mildness of the infection cannot be related to the original titre of the serum (0·4 unit and 0·02K) but only to the feebleness of the leucocidin produced by the infecting strain.

When cultures were obtained from more than one source in the same patient—e.g., from blood, pus, and primary lesion—toxins were prepared from each strain and in all cases were found to be reasonably comparable. Thus in case 6 four strains were obtained: from the infected corn, blood-culture, femoral pus, and the throat, where they were present in large numbers. The titres of the toxins produced were LH 0·2 c.cm. (four strains), 4L (throat strain), and 2–4L (three other strains).

AGGLUTININ FOR YOUNG COCCI

As has already been stated, only traces of agglutinin for young cocci were found in the serum in the early stages of osteomyelitis. None the less, in cases 1 and 3, the only patients to show a considerable bacteræmia, it is noteworthy that the development of antileucocidin did not directly affect the bacteræmia, the cessation of which seemed to be more closely related to the appearance of agglutinins. A similar tendency may be seen in cases 2 and 7. Case 5 was interesting in that the slight and transient bacteræmia bore no relationship to the severity of the infection. It was constantly observed that the strain of cocci in this case, whether derived from blood or pus, had a tendency towards auto-agglutination. It is conceivable that the low degree of bacteræmia was due to the "rough" character of the organism.

CASE-RECORDS OF FATAL CASES

CASE 8.—Male, aged 9. First day: acute pain in a hip; second day: patient admitted in delirium; third day: thin pus aspirated from the hip-joint; fifth day: death.

Primary lesion: none found.

Serum.—Second day: less than 0·4 unit, 0·005K, agglutination negative. Blood-culture showed *Staphylococcus aureus.* Fourth day: less than 0·4 unit, 0·0025K, agglutination negative. Blood-culture showed 900 colonies per c.cm.

Toxin.—LH 0·2 c.cm., 4L.

Post mortem.—Pyæmia and acute osteomyelitis of the neck of the femur.

CASE 9.—Female, aged 12. First day: vomited after tea and during the night; second day: sent to the local hospital with a temperature of 102° F. and a pulse-rate of 132, and complaining of vomiting and of pain in the right upper arm; third day: pain severe in the right shoulder; fourth day: epistaxis; sixth day: pain more general and discrete red spots on the limbs; seventh day: pericardial friction: eighth day: admitted to the London Hospital in delirium; ninth day: hyperpyrexia and death.

Primary lesion: an untreated whitlow opposite the base of the left thumb-nail, with little surrounding reaction and quite unlike the pyæmic spots on the skin elsewhere. From its appearance it was not of very recent origin, but no definite history was obtainable.

Serum.—Eighth day: 3 units, 0·16K, agglutination: S/1++++, S/5+. Blood-culture showed about 1000 colonies of *Staph. aureus* per c.cm.

Toxin.—LH 1·0 c.cm., less than L.

Post mortem.—General pyæmia, osteomyelitis of the upper end of the shaft of the right humerus, and a whitlow on the left thumb beside the base of the nail.

Microscopical report by Dr. J. R. Gilmour on a section across the terminal phalanx of the left thumb

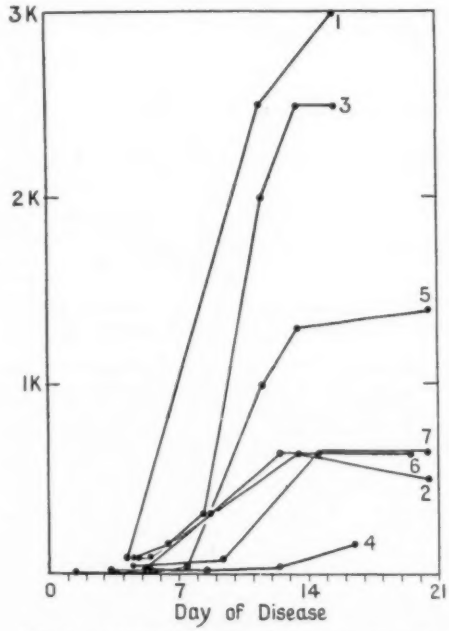

FIG. 2—Antileucocidin curves in the same cases.

and slightly proximal to the whitlow: "Section shows two small veins containing purulent thrombus and numerous cocci."

CASE 10.—Male, aged 60. After ten days' indefinite malaise, he felt as if a cold were coming and had pains in the joints; second day: worse, two rigors with vomiting; third day: becoming semiconscious and incontinent; fourth day: admitted, with red purpuric spots becoming pustular, and an untreated blister on the left heel; sixth day: death.

Serum.—Fourth day: 0·4 unit, 0·12K, agglutination negative. Blood-culture showed about 1000 colonies of *Staph. aureus* per c.cm.

Toxin.—LH 0·2 c.cm., 4L.

Post mortem.—General pyæmia, with acute inflammation of the skin of the left heel, there being red discoloration of the heel with a cavity, containing reddish purulent-looking material between a thick layer of hard skin and the indurated area of the subcutis. A blister in the skin and a thrombosed vessel in the subcutis lay on the posterior aspect of the heel just above the cavity. No purulent cellulitis or thrombosis was found in the posterior tibial veins. Elsewhere there was no osteomyelitis, but pyæmic abscesses were found in many organs. Many pyæmic abscesses and petechial hæmorrhages were present in the skin.

Microscopical report by Dr. Gilmour on a section from the heel: "Section shows in the subcutis a small artery with subacute inflammation and necrosis of its wall and thrombosis obliterating its lumen, and many small veins containing thrombus infiltrated with cocci or cocci alone."

In such cases as these bacteræmia and pyæmia result from the formation of infected thrombus in veins. Many bacteria, with or without fragments of clot, are thrown into the blood-stream and, if the process is sufficiently extensive and prolonged, it must end in the death of the patient. The relative frequency of cases of general pyæmia due to staphylococcal infection is probably to be associated with the ability of the organism to form coagulase.

In case 8 no primary lesion was found, and septic thrombosis presumably occurred in the veins leading from the osteomyelitic focus. By analogy with the surviving patients the almost complete absence of specific immunity in this patient would make such an event probable.

In case 10 there was an infected blister which by itself constituted only a minor lesion, as is shown by the fact that it had received no treatment. It may be assumed that in consequence of this neglect the infected material, being unable to burst through the tough skin of the heel, tracked inwards and ultimately caused septic thrombosis in the underlying vessels leading to general pyæmia. It is probable that no degree of specific immunity could protect against the results of such an accident, and this case is quoted here as an example of death occurring through the neglect of a minor superficial focus of infection.

In case 9 there was a focus of osteomyelitis in the humerus, the toxicity of the infecting strain was low, and on the eighth day the levels of all three antibodies in the serum were distinctly high. Comparison with the findings in the surviving patients makes it surprising that general pyæmia should have supervened if this were a case of straightforward osteomyelitis; but the presence of septic thrombosis in the veins of the thumb, similar to that present in the heel in case 10, is sufficient to account for the development of pyæmia, of which the focus in the humerus was one of the earliest results.

In cases 9 and 10 the primary lesions showed relatively little surrounding reaction and had not caused enough pain to ensure their treatment. In each case the affected site was one where the skin tends to be hard in consequence of friction or exposure; hence without assistance the pus could not escape. In such conditions, which might well result from the neglect of a minor injury, it is more likely that the infection would be allowed to spread until veins of significant size were affected than in the case of a more acute and painful lesion which demands rest and other treatment. Even in the latter case, however, it seems possible that small venules may become infected and may be responsible for the development in susceptible patients of foci elsewhere in the body. It is obvious that the degree of septic thrombosis and of the resulting blood infection might vary greatly both in intensity and duration in different patients, and it is possible that the bacteræmia commonly met with in the acute stage of osteomyelitis may sometimes depend for its maintenance more on a persisting primary lesion than on the secondary focus in the bone. This suggestion is, of course, only conjectural, but it may be noted that, among the surviving patients, cases 1 and 3 had a relatively heavy and persistent bacteræmia, and that in each of these cases the apparent primary lesion persisted for some days after admission to hospital with osteomyelitis. In any case the fatal results of neglect in cases 9 and 10 indicate the importance of giving immediate and careful attention to any detectable primary focus, whether important secondary lesions are present or not.

CONCLUSIONS

Antileucocidin.—The short series of cases which has been described shows that in response to deep-seated staphylococcal infection in man the spontaneous production of antileucocidin bears a close relationship to the severity of the clinical condition. It is intended to treat a further series of cases with serum rich in this antitoxin as early as possible in the course of the disease and to compare the results with those obtained in the present series.

Antihæmolysin.—No evidence has come to light suggesting that antihæmolysin (α) is likely to be of much value in treatment during the acute stage of the infection.

Agglutinin.—There is some indication that the disappearance of staphylococci from the blood-stream in acute osteomyelitis may often coincide with the appearance of agglutinins in the serum. The low titres obtained during the acute stage and the small number of cases (two) with considerable bacteræmia make any definite conclusion on this point impossible.

The local lesion.—In at least two cases, those with pelvic lesions—cases 1 (secondary) and 3—there was evidence of continued spread of local infection after the establishment of an apparently satisfactory level of general immunity. But it is hoped that, by improving the general condition of the patient in the first week by the use of antitoxin, the resistance of the tissues at the site of infection may be increased.

Fatal pyæmia.—Pyæmia is the result of septic venous thrombosis which may occur either in association with the bony lesion of osteomyelitis or with a superficial, apparently minor, focus. It is suggested that, when such a minor focus is found preceding the onset of osteomyelitis, it may in some cases be the main source of bacteræmia and of any further lesions which may develop in the course of the illness.

Our thanks are due to Dr. P. N. Panton and Prof. S. P. Bedson for their advice and to the house-surgeons

and sisters in charge of the cases for their interest and coöperation. Special thanks are due to Dr. Gilmour for his help and description of sections.

REFERENCES

Lyons, C. (1937) *Brit. J. exp. Path.* **18**, 411.
Panton, P. N., and Valentine, F. C. O. (1932) *Lancet*, **1**, 506.
Valentine, F. C. O. (1936) *Ibid*, **1**, 526.

FIXATION OF THE OSTEO-ARTHRITIC HIP BY NAILING

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It would be generally agreed that patients with severe osteo-arthritis of the hip derive very little permanent benefit from physiotherapy and are relieved only by operative measures. Many different operations are used for this condition, notably capsulotomy, reconstruction operations, arthroplasty, extra-articular and intra-articular arthrodesis, and MacMurray's osteotomy. The fact that all these are operations of considerable severity restricts their use to the comparatively young and healthy. Of all the operations arthrodesis by bony fusion is the most certain method of relieving the pain; but this is a formidable procedure, and the operation described below is intended to take its place as a method of fixing the hip in the aged. The operation is a slight one and entails fixation of the hip by a pin only, thus avoiding the trauma and shock of the open operation of arthrodesis.

The operation of arthrodesis often failed to effect bony fusion owing to the difficulty of obtaining complete immobilisation by the plaster-of-paris cast. In 1935 Watson Jones (1938) overcame this by inserting, at the time of the operation, a short nail through the anterior part of the neck, backwards and inwards, into the acetabulum. This ensured complete immobilisation of the rawed bony surfaces, and union was obtained in a considerably larger proportion of cases.

In 1935 it seemed to me that it would be a considerable advantage if, in some cases, particularly the aged, fixation could be achieved with the pin only, without the open operation of arthrodesis. Therefore an extra large Smith-Petersen type of nail was inserted, under X-ray guidance, through a small incision below the great trochanter. This simple operation has been done in twelve subsequent cases which are briefly analysed here. Although the series is small, it seems to indicate that the operation is the method of choice in a certain type of case—i.e., those in which bony fusion would be indicated if the patient were younger or in better health. The operation of inserting the pin alone avoids both shock and the incarceration of the patient in a plaster cast and is consequently safer. Complete immobilisation of the hip is obtained with relief of pain, and the patient can be up and walking within a few days. The operation may be used (1) when the patient is over 55, (2) when there is gross limitation of movement of the hip, and (3) when pain is excessive—i.e., severe enough to interfere with sleep. When there is gross deformity of the hip this can be first corrected by a subtrochanteric osteotomy. This may, in itself, relieve symptoms. If not, a pin can be inserted subsequently.

TECHNIQUE

The technique of the operation is simple, especially to those who have experience of the Smith-Petersen pin in fracture of the neck of the femur. It is desirable to fix the hip in a neutral position, where the thigh is neither adducted nor abducted, with some external rotation and with a flexion of 25°, to make the sitting position comfortable. As the patient lies on the operating table, there is always lumbar lordosis sufficient to produce from 25° to 30° of fixed flexion. If the hip is flexed more than this, the patient walks badly and is liable to suffer from low back strain subsequently. Also it seems that the patient walks better when the hip is fixed with a slight degree of external rotation than when it is fixed with no rotation. Gas-and-oxygen anæsthesia is sufficient. Correct position of the pin is best obtained if the patient is on a Hawley table with two cassettes arranged so that anteroposterior and oblique radiograms can be taken. A 2 in. incision is made over the lateral aspect of the upper end of the femur with its uppermost limit at the base of the great trochanter. Two guide wires are then drilled from the base of the great trochanter upwards and medially so as to pass through the upper part of the neck of the femur into the thickened portion of the ilium above the acetabulum. Owing to the great strain thrown upon the pin, it is most important that it should have a firm purchase in this specially thick area of bone.

Although a fair indication of the position of the tip of the pin is obtained from the anteroposterior view only (fig. 1), its position can be seen with much more accuracy if a special oblique view is taken. In this the X rays are directed so that the part of the ilium above the acetabulum into which the pin penetrates is seen in profile (fig. 2). From an anteroposterior view alone it is easy to get an exaggerated impression of the width of the buttress of bone passing from the acetabulum to the sacro-iliac joint, and if the pin has been inserted behind this buttress in error it may escape notice. Thus, in an anteroposterior view alone it is possible to have an apparently satisfactory picture, even though the tip of the nail is not firmly engaged in the ilium.

When radioscopy has shown that one guide wire is in a satisfactory position, the other is withdrawn and the special Smith-Petersen nail hammered into position. Owing to the acute angle between the wire and the femur, its insertion will be facilitated if some cortex at the site of the insertion of the wire is removed by chisel. This will also allow the pin to be slightly countersunk so that new bone can form over it to prevent it slipping out.

Sometimes the pin tends to be extruded, and this has been obviated by the insertion of a small nail into the shaft of the femur, at right angles to the pin, through a hole in its head, as recommended by B. H. Pidcock. The skin is closed by two or three interrupted silkworm-gut stitches, and a dressing is placed over it. There is practically no shock, and the patient is up and walking in a few days.

There is one serious drawback which has been noted in two of the cases, and that is the liability to a subtrochanteric fracture of the shaft of the femur through the site of the insertion of the pin. Owing to complete fixation at the hip-joint it appears that any extra strain on the leg is concentrated in the region where the pin is inserted, and that in elderly patients with thin and rather densely ossified femurs there is a tendency to fracture in that region. This entails immobilisation in plaster for ten weeks, which is a serious drawback but possibly not so great as at first seems, when it is realised that patients with these symptoms were formerly often immobilised in a plaster cast with the object of relieving the pain.

Occasionally the relief of pain is not immediate and only comes gradually, and there has been one case in which there was no relief. This was not accounted for. In two of the earliest cases pain recurred after a few weeks owing to partial extrusion of the nail. The manner in which this complication is now avoided has been mentioned.

FIG. 1—Radiogram of osteo-arthritic hip fixed with pin (anteroposterior view).

There seems to be no danger of the pin causing sufficient absorption of bone in the ilium for the fixation to become insecure. The first operation was performed three years ago, and the fixation still seems as firm as ever and radiograms show no evidence of absorption of bone.

In the early cases of this series a specially long, heavy canalised tri-fin pin with a diameter of 20 mm. was used. Owing to having split a great trochanter in the insertion of one of these large pins, it was decided to use a pin of smaller cross-section, and the later cases have been done with the type of pin used by Watson Jones. This has the diameter of 15 mm. and is thus stouter than the ordinary canalised Smith-Petersen pin used in fractures of the neck of the femur. The latter is 13 mm. in diameter.

The pins are made by Down Bros., who have done a great deal of experimental work on them. They have had no instance of a stout pin breaking when used for arthrodesis. However, there has been one instance of fracture of the pin when a long pin of the calibre of an ordinary fracture pin was used.

CASE-RECORDS

CASE 1.—A female, aged 55, had pain in a hip for six years, with gross limitation of range.

June 27, 1935: pin was inserted; June 30: patient was up and walking without pain; Oct. 15: pin, having slipped a little, was driven in by open operation about 1 cm. and fixed with a nail through a hole in the head of the pin; Oct. 29: patient was up and walking without pain; Oct. 19, 1938: fixation was complete and the patient had no pain and led a normal life.

CASE 2.—A female, aged 39, with chronic arthritis of hip, had pain in the right hip for three years.

Oct. 15, 1935: pin was inserted; Jan. 2, 1936: patient had no pain and fixation was complete; January, 1939: patient had no pain and fixation was complete.

CASE 3.—A female, aged 69, had pain in the left hip for two years, with gross limitation of range.

July 7, 1936: pin was inserted; July 25: the upper end of the femur was fractured while the patient was walking, and a plaster spica was applied; May 5, 1937: the fracture had united, the patient was walking well, and the pin had slipped out a little; May 7: the pin was driven in further and fixed by a nail through a hole in the head of the pin; May 17: the patient had no pain on walking; May 21: she was discharged with no pain and no further symptoms.

CASE 4.—A male, aged 65, had an intracapsular fracture of the neck of a femur in December, 1936, and was treated by Smith-Petersen pin operation, later followed by osteo-arthritis of the hip.

July 5, 1938: there was pain in the hip and limitation of movement; the Smith-Petersen pin was removed, but there was no improvement in pain in the hip; and radiography showed much osteo-arthritis; Nov. 18: pain continued in the left hip; Nov. 25: pin was inserted; Dec. 21: the patient was up and walking; Jan. 6, 1939: there was complete fixation, and the patient had no pain and was walking well.

CASE 5.—A female, aged 65, had a painful hip for two years, which now kept her awake at night. There was flexion-extension movement from 100° to 150°, no free movements, 5° fixed adduction, and some fixed external rotation.

Jan. 7, 1937: pin was inserted; Jan. 21: the patient was up and walking, with no pain; November, 1938: she wrote that she had no pain and walked short distances in comfort.

CASE 6.—A female, aged 67, had pain in a hip for three years, which was severe lately. There was some low back pain. There was gross limitation of movement, the hip being almost ankylosed, with about 10° of abduction and some external rotation.

June 2, 1937: pin was inserted; June 9: the patient was up and walking without pain; February, 1939: she had had no pain since, and no low back pain now. She led a normal life. Radiography suggested some absorption of bone, but fixation was complete.

CASE 7.—A male, aged 55, had pain for a year, with gross limitation of movement.

June 9, 1937: pin was inserted; June 18: the patient was up and walking without pain; June 29: while walking he heard a loud report in the region of his hip: radiography showed a sub-trochanteric fracture of the femur, and a plaster spica was applied. Sept. 24: the plaster was taken off and the patient got

FIG. 2—Special oblique view to show true width of ilium above acetabulum. The patient was on a Hawley table with a pelvic rest and a post of aluminium permeable to X rays. The central ray was directed from below the sound side towards the posterior superior spine of the ilium on the affected side. The direction was 30° upwards to the horizontal and 30° cranially to the transverse plane. The cassette was held over the anterolateral aspect of the affected hip at an angle of 60° to the horizontal.

up; Nov. 26: there was pain in the left hip, and the Smith-Petersen pin was removed; Jan. 12, 1938: the hip was still painful, with limited range. An open operation and bone-graft arthrodesis were performed. In this case the nail completely failed to relieve pain. That this cannot be due to incomplete fixation is indicated by the fact that the patient sustained a fracture at the point of insertion of the pin.

CASE 8.—A male, aged 58, had pain in a hip for three years, which had disturbed his sleep lately. He had only a small range of movement. There was no deformity.

July 8, 1937: pin was inserted; July 15: there was no pain, and the patient was up and walking; Feb. 9, 1939: there was complete fixation and no pain. The patient had walked ten miles during the day with no discomfort. He had worked as a navvy, for a period, for A.R.P. last September.

CASE 9.—A female, aged 65, had pain in the left hip for a year, with only 5° of free flexion.

Sept. 22, 1937: pin was inserted; Sept. 27: the patient was up and had no pain; Dec. 1: her general condition was poor; Dec. 2: the patient, while being washed, suddenly collapsed and died. Pulmonary embolism was found post mortem.

CASE 10.—A male, aged 70, had pain in a hip for many years, which had become worse lately and disturbed his sleep. There was a small range of movement with a few degrees of flexion-extension and 5° of fixed adduction.

Dec. 9, 1937: pin was inserted; Dec. 23: the patient was up and walking, with some pain; Jan. 27, 1938: there was no pain now, fixation was complete, and patient walked well; Aug. 4: a day or two previously he had a bad fall, hurt his hip, and went to another hospital, where the pin was removed, no fracture being found; Dec. 1: he came to hospital and asked to "have the pin put back in again," which was done; January, 1939: he walks very well and dances with agility.

CASE 11.—A female, aged 55, had pain in the left hip for fourteen years, with only 5° of free movement.

June 8, 1938: pin was inserted; June 18: the patient was up and walking without pain; January, 1939: no pain either at rest or while walking.

CASE 12.—A male, aged 58, had pain in the right hip for three years, which disturbed his sleep.

Jan. 12, 1939: pin was inserted; Jan. 23: the patient was up and walking without pain.

Thus, it is seen that one died from pulmonary embolism 3 months after the operation; in one there was no relief of pain; in two there was a subtrochanteric fracture; and in two the pin slipped and the pain recurred, but in these the symptoms were immediately relieved by a small secondary operation entailing hammering of the pin with secondary fixation. Although the operation is not free from complications, yet the plight of patients with severe osteo-arthritis of the hip is such as to justify a procedure which has given relief in a considerable proportion of cases with little risk.

SUMMARY

Twelve cases are reported of osteo-arthritis of the hip treated by fixation with a Smith-Petersen pin. The operation is simple and relatively slight and seems to be useful in osteo-arthritis in the aged and infirm.

REFERENCES

Burns, B. H. (1935) *Proc. R. Soc. Med.* **29**, 256.
Jones, R. W. (1938) *J. Amer. med. Ass.* **110**, 278.

NAIL FIXATION OF OSTEO-ARTHRITIC HIP WITHOUT EXPOSURE OF JOINT

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THE severe disability of a painful osteo-arthritis of the hip which has failed to respond to physiotherapy is a frequent indication for operative treatment. This usually involves exposure of the hip-joint or prolonged plaster immobilisation, or both. Either may be precluded by the age or general condition of the patient, and in these circumstances fixation of the hip-joint by a modified Smith-Petersen nail without open exposure has been carried out by various workers, notably Watson Jones (1938). There is no doubt that the procedure gives relief, but only time can show whether the results are as lasting as those of open arthrodesis.

The purpose of this paper is to describe a technique for nail fixation without exposure of the joint, ensuring the least disturbance of frail patients and relatively quick restoration to activity.

SPECIAL PROBLEMS

The chief problems that present themselves are: (1) inserting accurately a guide over which the nail can be threaded; (2) estimating the length of nail required; and (3) embedding the head of the nail without risk of splitting the femur. For the solution of each of these problems we have devised a special instrument.

(1) *Insertion of the guide.*—In fixation of the hip the guide must be placed much more obliquely than for fracture of the femoral neck. It must enter the femur lower down the shaft and pass up through the mid-plane of the neck so as to leave the head in its upper half. Thence it penetrates the acetabulum into the thick bar of bone which extends behind the pelvic brim as far as the sacro-iliac joint. We have found by experiment that this can be achieved by introducing a guide 1·25 cm. (0·5 in.) behind the anterior surface of the femoral neck with the joint placed in the best position for ankylosis—namely, about 30° of flexion with little, if any, abduction or rotation. Entry of cortical bone at an oblique angle is difficult or impossible without the use of some form of director to check the tendency of the guide to ride upwards over the surface instead of penetrating it.

It occurred to us that the accurate introduction of the guide would be facilitated by adapting an introducer previously described by one of us (Bailey 1937) for nailing the fractured femoral neck. An additional reversible "arthrodesis" block was designed to fit the original blade and handle of the instrument (fig. 1). The blade (A) rests on the anterior surface of the neck of the femur, and the arthrodesis block (B) lies flush with the shaft (fig. 2 A and B). The block is traversed by five converging guide holes, each 3 cm. long, which lie 1·25 cm. (½ in.) behind the blade and so automatically direct each guide through the mid-plane of the neck. Fig. 3 shows the angles which may be obtained and fig. 4 (A and B) a suitably directed guide.

(2) *Estimation of length of nail.*—Skiagrams provide a magnified image, and the extent of magnification cannot be standardised because the distance between object and film varies in patients of different build.

One of us (H. J. B.) has devised a simple expanding scale which can be calibrated from the first film in a matter of seconds so that measurements on the films are read directly in units equivalent to centimetres in the body; mental arithmetic is wholly eliminated. The instrument is shown in fig. 5. The scale itself consists of a strip of rubber (A) about 2·5 cm. (1 in.) broad, graduated in centimetres; it is fixed in a telescopic frame (B) which can be extended by the milled screw (C). The method is as follows. The guides are graduated so that the actual depth to which any is buried is known. Let it be supposed that one is introduced for 12 cm. and that an anteroposterior film is taken to check its position. The expanding scale is applied to the film along the magnified image of the embedded part of the guide, and is extended until the 12 cm. reading on the scale corresponds with the image. The whole length of the graduated part of the rubber strip is almost uniformly extensible, and distances on the films can now be measured in units which correspond with centimetres in the body. This statement is strictly correct only if the guide has been introduced in a plane parallel with that of the film; in practice this is approximately the case.

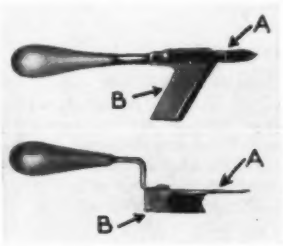

FIG. 1—Introducer with "arthrodesis" block: (A) blade, (B) block.

(3) *Embedding the head of the nail.*—We consider that, for permanent fixation, the head of the nail should be embedded in bone. To facilitate this one of us (E. T. B.) has designed a canalised trephine (fig. 6). The cutting head is hollow and cylindrical, 2 cm. long and of the same diameter as the head of the nail. The shaft is canalised to take a 2·5 mm. guide and has been made to fit the chuck of the "Holborn" electric motor. The trephine is threaded over the selected guide and removes a disk of bone leaving an aperture through which the nail is driven into soft cancellous bone without risk of splitting the femur. The head of the nail is buried beneath the surface leaving the aperture to fill in subsequently with new bone.

FIG. 2A

FIG. 2B

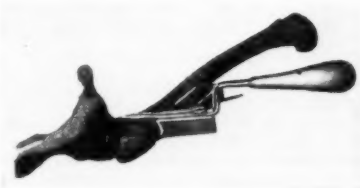

FIG. 2—The introducer applied to the femur with the blade resting on the anterior surface of the neck and the block in apposition to the shaft: (A) anteroposterior view, (B) lateral view.

PROCEDURE

The position for fixation is secured preferably before the time of operation, a period of weight traction being used if necessary. A spinal anæsthetic (Decicain) is given after premedication with Omnopon and scopolamine. If an orthopædic table is not used, the buttocks, protected by gamgee, rest on a tunnel of Atkinson type, consisting of a shallow wooden box with a sliding panel for passing cassettes beneath

FIG. 3

FIG. 4A

FIG. 4B

FIG. 3—Anteroposterior radiogram of guides to show the directions obtainable.

FIG. 4—Suitably directed guide: (A) anteroposterior view, (B) lateral view.

the patient without disturbance. The hip is held in the position of election throughout the operation.

An incision 6 in. long is made in the line of the femur beginning just above the lower border of the great trochanter. The deep fascia, vastus and periosteum are divided in the same line and the subtrochanteric region of the femur is cleared on its outer aspect with a rugine. The blade of the introducer is passed along the anterior surface of the femoral neck until the block comes into apposition with the shaft. A finger is inserted by the side of the blade and should feel this lying flat on the neck one fingers-breadth above the lower margin. The introducer is held firmly in this position and a 23 cm. (9 in.) guide is passed through the middle hole of the block and drilled into the bone by an electric motor until the 15 cm. mark is flush with the outer surface of the instrument. The guide hole being 3 cm. long, there will now be 12 cm. embedded in bone provided the block fits the femur accurately. The introducer is withdrawn, and, if necessary, the guide is further adjusted to the 12 cm. mark. An anteroposterior film is taken for direction and the expanding scale is then calibrated from this in the manner described. Often the first guide is satisfactory, but if the direction is wrong the introducer is re-threaded and a second guide is inserted through one of the alternative guide holes. If a parallel, rather than a converging, guide is required, the "fracture" block of the original introducer can be used. The first guide is withdrawn and another film taken. From the film showing the selected guide (fig. 7), estimation is made with the scale of the length of nail required—usually about 14 cm.—due allowance being made for counter-sinking the head. The canalised trephine is now used to cut through the cortex; a few taps from a gouge are required to free the separated disk of bone. The appropriate nail is threaded over the guide and driven home in the usual manner until the head is fully countersunk (fig. 8). The guide is withdrawn. Anteroposterior and lateral films may be taken now or after the patient has returned to bed. The wound is closed, with or without subfascial drainage as preferred, and firm dressings are applied.

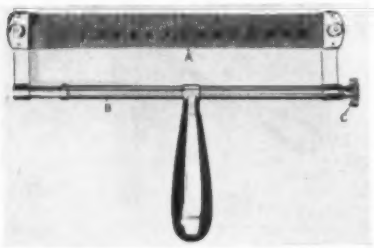

FIG. 5—Expanding scale for making corrected measurements from X-ray films: (A) scale proper, made of rubber; (B) telescopic frame; (C) milled screw for extending the frame.

Including radiography, the operation takes about 45 min. With the use of a portable developing box and rapid developer each film is available within 3 min. After operation suspension of the limb in a Thomas splint may assist nursing. We have allowed our patients to sit out of bed in three weeks and to stand in four.

COMMENTS

Broad Smith-Petersen nails of 15 mm. diameter are favoured by some as less likely to break, but this should be a diminishing danger with improving methods of manufacture. We have adhered to the standard diameter to minimise the danger of subsequent fracture of the femur at the level of insertion before consolidation has occurred. Even so, one of our patients who went upstairs without permission sustained such a fracture on the 44th day after operation. We think that this risk, which presumably is confined to the first three or four months after operation, might be overcome by the application of a firm, well-moulded walking plaster extending to the femoral condyles but leaving the patella free.

In addition to inserting the nail we have attempted to encourage bony ankylosis by drilling across the joint at various points. The original "fracture" block of the introducer is threaded over the selected guide, and a second guide can thus be drilled parallel with the first and withdrawn. The block is then slightly rotated and the drilling repeated. This procedure is continued until a ring of drill holes has been made round the original guide.

Often other distances besides the proposed length of nail-track require estimation on the films, and the expanding scale has a correspondingly wider sphere of usefulness. It can be used also in the operation for nailing the femoral neck for fracture.

FIG. 6—Canalised trephine threaded over guide-wire.

FIG. 7—Guide selected at operation.

FIG. 8—14 cm. nail in position.

SUMMARY

A technique is described for arthrodesis of the hip by means of a canalised Smith-Petersen nail introduced without exposing the joint.

The operation is suitable for patients with unilateral osteo-arthritis of the hip who are unfit for more extensive procedures.

Three technical difficulties have been overcome by the use of special instruments: (*a*) Accurate insertion of a guide by an adaptation of an introducer originally used in nailing the femoral neck for fracture. (*b*) Estimation of the length of nail required from skiagrams by means of an expanding scale. (*c*) Embedding the head of the nail permanently with the aid of a canalised trephine.

The work was carried out at St. Leonard's Hospital, London County Council, to the medical superintendent of which, Dr. A. D. Morris, we are indebted for helpful coöperation. We wish to thank also other members of the staff, especially Dr. T. P. Crankshaw for photography and Mr. T. H. McDowell for technical assistance. The special instruments of correct pattern are obtainable from the Genito-Urinary Manufacturing Co., Devonshire Street, London, W.1, whose assistance, particularly that of Mr. Schranz, we gladly acknowledge.

REFERENCES

Bailey, E. T. (1937) *Lancet*, **1**, 375.
Jones, R. W. (1938) *J. Amer. med. Ass.* **110**, 278.

PRIMARY PERITONITIS IN SCARLET FEVER

TREATED WITH SODIUM SALT OF M. & B. 693

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ACUTE hæmolytic streptococcal peritonitis in which no focus in the abdominal cavity is demonstrable is a rare and very fatal condition. The term "primary" rules out (1) cases arising from appendicitis, (2) extensions from a local process—e.g., uterine sepsis, abscess, and osteomyelitis of the hip—and (3) infections from without, as, for example, in the case described by Taylor (1926), in which the infection (a green-producing streptococcus) was probably secondary to an injection of antitoxin into the abdominal wall.

The disease is essentially the same whether associated with scarlet fever or not, being probably always preceded by hæmolytic streptococcal septicæmia. In several published cases described as complicating scarlet fever the abdominal symptoms preceded the rash (Kojis and McCabe 1933, Sabadini 1935). In these cases the scarlatinal syndrome may well have been a mere secondary toxic manifestation of the streptococcal septicæmia. Both forms are a disease of children and young adults. In the form not associated with scarlet fever, for example, Rabinowitz (1919) describes 8 cases in which the patients were aged from ten months to twenty-one years. In the form associated with scarlet fever the ages in the published cases range from seven months to thirty-two years.

In 2500 cases of scarlet fever at the Willard Parker Hospital, from 1893 to 1899, Somerset (1900) did not see a case; nor did Weaver (1925) in 2595 cases of scarlet fever in Chicago between 1913 and 1922. McCollum and Blake (1903), however, saw 2 cases in Boston among 8000 cases of scarlet fever. Kojis and McCabe (1933) describe 3 cases out of 5500 of scarlet fever at the Willard Parker Hospital between 1928 and 1932; in the same series no less than 42 cases were shown to have hæmolytic streptococcæmia, only one of which developed general peritonitis. Dunham (1921) reviews 10 published cases and reports 1 case. Platou (1924) reports 1 case and shows that 4 of the 11 published cases at that time occurred in the eruptive period and 7, so far as could be ascertained, in the desquamative period. By 1933 Kojis and McCabe, in an excellent review, were able to collect 19 cases, and since then single cases have been reported by Sabadini (1935), Vŭcetić (1935), Bartone (1935), Erskine (1936), Frew (1936), and Gavrilă (1936).

Of these 25 cases occurring up to 1936 7 recovered, the fatality-rate thus being about 70 per cent.

TREATMENT

The chief interest of treatment has hitherto been focused on the question whether laparotomy should be performed. When the symptoms suggest any possibility of the condition being due to appendicitis or other primary lesion, the desirability of laparotomy, even in an extremely ill patient, will hardly be in doubt. On the other hand, when there is no indication of a primary lesion, the surgeon may be deterred from operation by the grave condition of the patient, the absence of free fluid in the early stages, and the limitations of operation as a means of adequate drainage of the peritoneal cavity. Kojis and McCabe (1933), however, point out that of the 6 recovered patients up to 1933 5 had external drainage of the abdominal cavity, and they accordingly recommend early laparotomy, even although a large number of patients that were operated on died.

Vŭcetić (1935) describes a case in a girl of eight who, on the 21st day of scarlet fever, developed sudden acute abdominal symptoms, pain, vomiting, and board-like rigidity. Conservative treatment was adopted, and four weeks later pus burst through the umbilicus. Complete recovery eventually took place. This patient was subsequently observed for many years, during which she grew up and became the mother of two children. Nevertheless, Vŭcetić favours laparotomy and thinks it should be done early.

The whole question of treatment of acute primary peritonitis has been revolutionised by the introduction of chemotherapy. Both sulphanilamide and M. & B. 693 have such a potent action on hæmolytic streptococci in the blood-stream, in the meninges, and, as the following case-record suggests, for M. & B. 693 at least, in the peritoneum, that it may be considered justifiable and even desirable now to refrain from laparotomy in view of the risks in desperately ill patients. This consideration applies only to those cases in which there is no evidence of a primary focus in the abdomen.

The case recorded below is of interest not only from this point of view but also because of the new form of the drug employed in the treatment—namely, the soluble sodium salt of M. & B. 693, which can be given by intramuscular injection. This preparation was supplied by the makers in 2 c.cm. ampoules representing a 25 per cent. solution of the sodium salt—i.e., each 2 c.cm. ampoule represented the equivalent of 0·5 gramme of the drug. It is a clear solution, is very rapidly absorbed, and hence must be given in smaller doses than those appropriate for the drug given in tablet form by mouth. The makers have suggested, on the basis of animal experiments, that the solution might be considered to be biologically four times as potent as the drug in tablet form—that is, each 2 c.cm. ampoule containing 0·5 g. of the

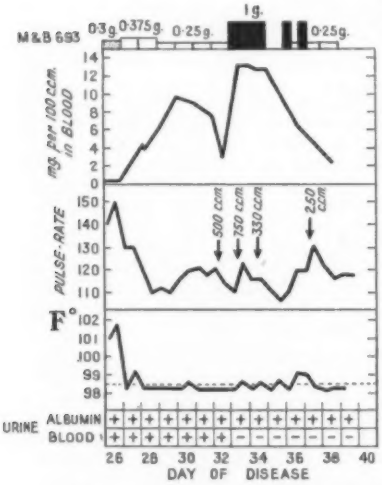
drug was biologically equivalent, when injected intramuscularly, to 2 g. Clinical experience in the following case, as well as in cases of meningococcal meningitis not yet published, suggest so far that the solution has a biological potency about twice that of the drug in tablet form.* The solution has its greatest value in cases such as the following, in which continued vomiting renders oral administration impossible. It may also be of value for initial administration of the drug to obtain a rapid effect. Otherwise it has no advantage over the tablet form given by mouth. A disadvantage is its irritant effect on the skin at the site of injection. Some of the injections are followed by small superficial necrotic lesions of the dermis. This is understood to be due to the high alkalinity of the solution (pH 11·5). For this reason continuously repeated injections of the sodium salt are undesirable. As soon as possible the drug should be given by mouth. The injections themselves are apparently painless.

CASE-RECORD

A male, aged 8, was admitted to the Park Hospital on Dec. 1, 1938, on the third day of a sharp attack of scarlet fever and with a septic abrasion of his right knee. His temperature was 102° F., his pulse-rate 130, and his respiration-rate 24. He had a well-marked punctate erythematous rash, congested fauces with exudate on both tonsils, and bilateral cervical adenitis.

Since he was admitted to a ward in which chemotherapy was being tried out, he had no antitoxin treatment but received sulphanilamide in six-hourly doses, a total of 8 g. being given during three days from admission. This drug was tolerated badly; cyanosis appeared on Dec. 2 accompanied by a greyish pallor, and there were mental confusion, rambling talk, and disorientation of ideas on the 3rd. Administration of the drug was stopped at this point.

The temperature did not fall to normal till the 7th, and it rose again to 101° F. on the 10th, apparently associated with a left secondary cervical adenitis and cellulitis of the left infra-orbital region. The temperature was normal again on the 18th. On the 19th albuminuria was noted. By the 21st he had definite signs of acute nephritis, with pyrexia and vomiting and much decreased urinary output.



A ▭ B □ C ■ Chart of a case of peritonitis complicating scarlet fever in a boy aged 8 years. Arrows indicate peritoneal fluid aspirated. A = intramuscular injection of 20 per cent. suspension of M. & B. 693. B = intramuscular injection of sodium solution of M. & B. 693. C = tablets of M. & B. 693 by mouth.

* The sodium solution is now issued in a strength of 33⅓ per cent. in 3 c.cm. ampoules each containing 1 gramme of the sodium salt of the drug. The makers now suggest that for practical purposes the injectable preparation is *twice* as active as when the drug is given by mouth.

On the 22nd he complained of abdominal tenderness, most marked on the *left* side; there was no real rigidity. On the 23rd the abdominal tenderness had increased in the left upper abdomen, and there was tenderness in both loins, especially the left. Rigidity was not pronounced. His temperature was 101·2° F. and his pulse-rate 120. Examination per rectum showed nothing abnormal. He was vomiting everything on this day. A surgeon was consulted and temporising was advised.

On the 24th he was exceedingly ill when seen by the surgeon, Mr. N. Eckhoff, at 11 A.M. There was now much abdominal distension, general tenderness most pronounced on the left side, and board-like rigidity, with signs of fluid in the peritoneal cavity. The tongue was dry; the temperature was 101° F. and the pulse-rate 140; there was nausea and a tendency to vomit bile. Peritoneal exploration with a needle yielded a thin turbid fluid containing hæmolytic streptococcus of Griffith type IV. Blood-culture on this day yielded the same streptococcus (type IV). In view of his desperate condition and for other reasons it was decided not to operate. He was treated with intramuscular injections of 1·5 c.cm. of the 20 per cent. suspension of M. & B. 693 in oil four-hourly from 11 A.M., for he was unable to take any drug by mouth.

On the 25th at 10 A.M. the temperature had fallen to normal, although it rose in the evening to 99° F. The pulse-rate was still 130. He had vomited only once in the preceding twenty-four hours and had taken 46 oz. of fluids by mouth. The tongue was more moist; he was rather less pinched and anxious in appearance; and stools were frequent and green. From 11 A.M. on the 25th intramuscular injections of 1·5 c.cm. of the 25 per cent. sodium solution of the drug were given four-hourly.

On the 26th the temperature was normal all day, with a definite general improvement and a decrease of pulse-rate. The abdomen was still tense, tumid, and tender, and there was a local tender swelling over the left tunica vaginalis. The urine contained much blood and albuminuria, and the output was low. On the 27th the improvement was maintained, and the injections of sodium solution of M. & B. 693 were reduced to 1 c.cm. four-hourly, and during the next three days to 1 c.cm. six-hourly.

Dec. 29: improvement maintained; fluid in peritoneal cavity increased; bilateral œdema of scrotum; slight cyanosis of finger nails; Dec. 30: 500 c.cm. of thin purulent fluid was aspirated from the peritoneal cavity; no organisms were seen in smears, and the cells were largely disintegrated; the fluid grew one colony of hæmolytic streptococcus from 4 c.cm.; Dec. 31: 750 c.cm. of peritoneal fluid was aspirated; this proved to be sterile. M. & B. 693 was now given in tablet form orally, 6 g. daily (1 g. four-hourly).

Jan. 1, 1939: some pleural effusion was discovered at both bases; 330 c.cm. of greenish peritoneal fluid was aspirated; this was sterile; Jan. 2: patient vomited twice after tablets; slight cyanosis; drug discontinued for twenty-four hours, then tablets recommenced 1 g. four-hourly, with substitution of 1 c.cm. of the sodium solution injected intramuscularly on two occasions when he was vomiting. Abdomen not now tender; swelling much reduced.

Jan. 4: abdominal fluid increased again and some pyrexia; œdema of scrotum and of feet; urine contained much albumin; output 27 oz. in twenty-four hours; some anæmia (hæmoglobin 67 per cent.); the sodium solution of the drug was given, 1 c.cm. four-hourly, owing to a tendency to vomit; Jan. 6: aspiration was attempted in the *left* hypochondrium, but no fluid was obtained; 250 c.cm. was aspirated from the right hypochondrium (sterile); Jan. 6: drug discontinued; Jan. 7: improved; radiogram shows pleural thickening and fluid in left lower and middle zones.

Jan. 11: 180 c.cm. of sterile peritoneal fluid aspirated; Jan. 17: 75 c.cm. of clear amber fluid (sterile) aspirated from left pleural base. Child greatly improved but has tachycardia and is very

anæmic; hæmoglobin 48 per cent. Iron tonic given for some days; liver extract now added; Jan. 28: child still very pale; hæmoglobin now only 47 per cent., red blood corpuscles 2,430,000. Blood-transfusion 200 c.cm.

Jan. 31: right pleura and abdominal cavity explored; no fluid obtained from either; trace of albuminuria; no œdema; general condition much improved; hæmoglobin now 54 per cent.; Feb. 2: blood-transfusion 300 c.cm.

Feb. 15: general condition now good; weight rising steadily; abdomen slightly full but otherwise normal; no œdema; very faint trace of albuminuria; hæmoglobin now 79 per cent. and red cells 3,900,000; Feb. 24: steady improvement maintained; child beginning to be out of bed; March 1: urine clear; child getting up; March 22: up and well; red cells 4,200,000; hæmoglobin 92 per cent.; faint trace of albuminuria still present; abdomen slightly full but otherwise normal on palpation; body-weight 4 st. 8 lb.

The chart shows the varying concentration of M. & B. 693 in the blood during the period of administration. The 20 per cent. suspension in oil given intramuscularly during the first twenty-four hours produced mere traces in the blood. The sodium solution given intramuscularly, on the other hand, produced a rapid rise to 4 mg. per 100 c.cm. in twenty-four hours and 9·8 mg. in seventy-two hours, and there was a rapid fall in blood level when the dosage was decreased. When, after this, the tablets were given by mouth, the blood level again increased rapidly and as rapidly fell away when the drug was discontinued for twenty-four hours and subsequently when the dosage was reduced. The blood level produced by intramuscular injection of the sodium salt was about twice as high as would have been expected if a similar amount of the drug had been given by mouth.

SUMMARY

A case is described of hæmolytic streptococcal septicæmia and general peritonitis occurring on the twenty-sixth day of scarlet fever and associated with other complications of the disease—namely, infra-orbital cellulitis, cervical adenitis, and nephritis. The patient had not had the benefit of antitoxin treatment in the initial stage of his scarlet fever but had been treated by sulphanilamide, which was badly tolerated. For the peritonitis, since there was no evidence of an abdominal focus, operative treatment was not adopted. Chemotherapy, at first with M. & B. 693 by injection of the 20 per cent. suspension of the drug, later by injection of the sodium salt, and ultimately by oral administration, apparently brought about a rapid sterilisation of the pus in the abdominal cavity. There was subsequently a considerable accumulation of peritoneal fluid, which was removed by repeated aspirations. There was also an associated bilateral pleural effusion. The patient suffered in convalescence from a profound secondary anæmia, which did not improve under iron and liver therapy but rapidly improved after two blood-transfusions. He made a good recovery. The advantage of injections of the sodium salt of M. & B. 693 in the early treatment of this type of case is emphasised.

I have to thank Dr. J. E. McCartney, of the Southern Group Laboratory, for the pathological reports and Dr. E. N. Allott, of Lewisham Hospital Group Laboratory, for the biochemical reports. I have also to acknowledge the kindness of Messrs. May and Baker Ltd. in supplying me with the sodium solution and tablets of M. & B. 693.

REFERENCES

Bartone, L. (1935) *Folia med., Napoli*, **21**, 519.
Dunham, E. C. (1921) *Amer. J. Dis. Child.* **22**, 307.
Erskine, D. (1936) *Brit. J. Child. Dis.* **33**, 272.
Frew, H. W. O. (1936) *Clin. J.* **65**, 31.
Gavrilă, I. (1936) *Cluiul med.* **17**, 602.
Kojis, F. G., and McCabe, E. J. (1933) *Amer. J. med. Sci.* **185**, 710.
McCollum and Blake (1903) *Boston med. surg. J.* **149**, 639.
Platou, E. S. (1924) *Arch. Pediat.* **41**, 535.
Rabinowitz, M. A. (1919) *Amer. J. med. Sci.* **157**, 797.
Sabadini, L. (1935) *Pr. méd.* **43**, 605.
Somerset, W. L. (1900) *N.Y. med. J.* **72**, 980.
Taylor, R. E. (1926) *J. Amer. med. Ass.* **87**, 1559.
Vučetić, N. (1935) *Wien. klin. Wschr.* **48**, 1163.
Weaver, C. H. (1925) in Abt's Pediatrics, vol. vi, p. 298.

CLINICAL AND LABORATORY NOTES

LYMPHOPATHIA VENEREUM TREATED WITH M. & B. 693

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I AM recording the following two cases of lymphopathia venereum (lymphogranuloma inguinale) successfully treated with M. & B. 693 (2-sulphanilyl-aminopyridine) in the hope that others, who have the opportunity of seeing and treating large numbers of cases of this disease, may be prompted to give this drug an extensive trial. Both cases were in West Indians, of the negro race, and in both the disease was in the bubo or secondary stage without fistula formation.

CASE-RECORDS

CASE 1.—Male, aged 22, labourer. The patient first noticed stiffness and pain in both groins on Dec. 28, 1938. He had previously had frequent coitus with various partners. Next the inguinal lymphatic-glands of both sides began to swell and continued to increase in size until the time he consulted me on Jan. 6. He was a well-built man, but looked definitely ill. Temperature 99·2° F., pulse-rate 84. The skin was dry and dull and the tongue furred. Nothing abnormal was noted in the gastro-intestinal, pulmonary, cardiovascular or central nervous systems. The genitalia were large and well-formed, and on retraction of the prepuce two shallow ulcers about 3 mm. in diameter were seen on the left side of its inner surface. In each groin was a bubo consisting of enlarged inguinal lymphatic glands of the upper internal group; these were painful on palpation, especially on the left side. The Frei test was positive; the Reenstierna test and Wassermann reaction were negative. Scrapings from the preputial sores showed no *Treponema pallidum*. While awaiting the results of these tests, potassium iodide, gr. 10, thrice daily, was given as a placebo.

Treatment and progress.—On Jan. 16 the patient complained of severe pain in each bubo. Both buboes had now enlarged to about 3 cm. in diameter. That on the right was soft, fluctuant and adherent to the overlying skin, which was sodden and discoloured from applications of *rachat* (split leaves of a prickly pear, used in Trinidad as a poultice). The bubo on the left was aspirated, 4 c.cm. of pus being withdrawn. This showed no organisms in a film or on subsequent culture. The patient was given six 0·5 g. tablets of M. & B. 693 daily. Further poulticing of the buboes was forbidden. On the 18th the buboes were smaller and less painful and the patient said he felt better. On the 24th the patient complained of epigastric pain and discomfort. Both buboes were much smaller, non-fluctuant and painless on palpation. He had now had M. & B. 693 for eight days, and the dosage was reduced to four tablets daily. On the 30th the patient reported fit for work, appearing and feeling well. Both buboes were reduced to about 1 cm. in diameter, were painless and non-adherent to skin and deep structures.

The M. & B. 693 was omitted. On Feb. 7 there was no sign of the former condition.

CASE 2.—Male, aged 23, labourer. Frequent coitus had been indulged in up to Jan. 26, 1939, when he noticed a painful swelling in each groin and felt ill. The patient was a well-built muscular subject but when examined on Jan. 31 he looked unwell. Temperature 100° F., pulse-rate 92. The skin was dry and the tongue furred. Nothing abnormal was found in the gastro-intestinal, pulmonary, cardiovascular or central nervous systems. On the dorsum penis at the inner surface of the prepuce, close to the corona, were two small sores 2 mm. in diameter. In the right groin was a bubo measuring 9·4 cm. in its long axis, which was parallel to the inguinal ligament; in the left groin was a similar bubo, the long axis of which measured 6·4 cm. Both buboes were hard, non-fluctuant, painful on palpation, and unattached to the skin. The Frei test was positive; the Reenstiema test and Wassermann reaction were negative. Serum obtained from the sores contained no *Tr. pallidum*.

Progress and treatment.—The patient was given M. & B. 693 six tablets daily. On Feb. 3 he felt and looked much better but complained of epigastric pain and discomfort since taking M. & B. 693. The bubo on the right now measured 4·6 cm. in its long axis; that on the left 3·8 cm. Pain was entirely absent. On the 7th the buboes were each the size of a filbert. He had then taken six tablets of M. & B. 693 for six days. Four tablets were given daily for a further three days. On the 11th the buboes had disappeared and the man returned to work.

DISCUSSION

The most popular forms of present-day treatment of lymphopathia venereum all have very definite disadvantages when applied to uneducated communities with limited hospital accommodation. Protein-shock therapy requires hospitalisation for its administration, and injections of salts of antimony or gold or the specific vaccine are often painful and are heartily disliked by patients, who, moreover, may be unable to attend regularly because of distance from the clinic, tropical rains and the like. If, then, a satisfactory method of oral treatment can be devised the practitioner in the tropics has a valuable weapon in his hands.

The two cases described here were admittedly seen at the optimum therapeutic stage, for in neither had fistula-formation or late complications set in. I regard the epigastric discomfort and pain as a mild toxic effect of M. & B. 693, since I have seen it produced by the drug in other conditions (gonorrhœa, staphylococcal infections and pneumonia). It passes off when the drug is withdrawn or even perhaps when the dosage is reduced.

SUMMARY

Two cases of lymphopathia venereum (lymphogranuloma inguinale) were successfully treated with M. & B. 693. This treatment has the advantage of requiring no hospitalisation and no painful injections.

INTESTINAL ATRESIA WITH TORSION OF MECKEL'S DIVERTICULUM

BY FRANK FORTY, M.B. Lond., F.R.C.S.
SURGEON TO REDHILL COUNTY HOSPITAL, EDGWARE

INTESTINAL obstruction occurring in the newborn from congenital stenosis and atresia of the intestine has given rise to various conjectures as to the precise origin of these anomalies. From the ætiological standpoint two main varieties need to be distinguished. In the first the continuity of the lumen is interrupted at one or more points by septa covered on both sides by mucous membrane—the so-called septate ileum. In the second the bowel comes to an abrupt end and begins again at a lower level, the two portions being joined by an impervious fibrous cord of varying length, as in the case reported here.

The illuminating observation made by Bland-Sutton in 1891 that obstructions of this type are limited to regions of the intestine which are the site of "embryological events"—i.e., the places of origin of the liver bud and of the vitello-intestinal duct respectively—clearly points to a disturbance of the normal process of involution as being the true explanation of their occurrence. Other suggested causes of ileal atresia, such as antenatal strangulation by the umbilical ring and volvulus of the ileum, could not operate in the case of the duodenum where similar interruption of the lumen by a fibrous cord is seen.

Post-mortem specimen, showing diverticulum restored to its original position. A = Lower end of ileum, showing some dilatation. B = Meckel's diverticulum. Torsion had taken place at its attachment to the ileum. C = Thin fibrous cord representing the ileum between the origin of Meckel's diverticulum and the cæcum. D = Cæcum, appendix and colon, normally formed but small and atrophic.

In the case here described the persistence of Meckel's diverticulum, together with atresia of the ileum in the same child, acquires a special significance as corroborative evidence that the normal embryological processes associated with the closing of the vitello-intestinal duct were at fault and were responsible for the obliteration of the intestinal lumen at this point. A similar case was reported by Carwardine in 1897, but the association seems to be very rare.

CASE-RECORD

A male child, weighing 6 lb., was born at Redhill County Hospital, Edgware, on Sept. 5, 1938, after a normal delivery. No external abnormalities were present, and meconium was passed normally. Vomiting started soon after birth and became persistent. The vomited fluid was at first green and later yellow. Gastric and rectal lavage were given without any improvement. On the 8th radiography of the stomach after a barium feed showed the position and outline of the stomach to be normal but no barium was seen to pass into the intestine. I saw the child on the same day and found him somewhat dehydrated. The abdomen was very distended and tympanitic. No mass was felt. The rectum admitted a finger without difficulty and nothing abnormal could be felt there.

On the evening of the 8th I performed a laparotomy under ether anæsthesia. The abdomen was opened

by a right paramedian incision and was found to be nearly filled by a dark plum-coloured loop of bowel. This proved to be tightly twisted on itself several times. After undoing the volvulus the affected bowel was recognised as a Meckel's diverticulum with a blind and free distal end. The small intestine proximal to the point of origin of the diverticulum was much distended while beyond this it was represented by only a thin fibrous cord. The diverticulum was excised and the divided end of the small intestine was implanted into the abdominal wall as an enterostomy. The child stood the immediate effects of the operation well but died about 24 hours later.

On *post-mortem examination* the body was that of a normally formed infant except for the terminal portion of the ileum, which was represented by a thin fibrous cord joining the site of origin of the large Meckel's diverticulum to the cæcum (see figure). The appendix and large intestine were normally formed but small and contracted.

The results of the treatment of intestinal atresias have hitherto been extremely discouraging. According to Morley's (1921) survey of the literature there were no recorded cases of an infant surviving operation for this condition for more than a few days. Nevertheless, two considerations seem to justify an exploratory laparotomy in all cases of intestinal obstruction in the newborn where the general condition of the infant permits it. First, the inevitably fatal outcome of intestinal atresia in the absence of surgical intervention, and secondly, the impossibility of making an exact preoperative diagnosis of the precise cause of the obstruction, with the consequent possibility of finding a condition more easily amenable to surgical treatment.

I am indebted to Dr. J. N. Deacon, medical superintendent of Redhill County Hospital, for permission to publish this case, and to Dr. Hamilton Patterson for his careful post-mortem examination.

REFERENCES

Bland-Sutton, J. (1891) *Brit. med. J.* **1**, 343.
Carwardine, T. (1897) *Ibid.* **2**, 1637.
Morley, J. (1921–22) *Brit. J. Surg.* **9**, 103.

"HYPO-HCl" TREATMENT OF SCABIES

BY W. S. PARKER, M.B. Manc.
SURGEON LIEUTENANT, ROYAL NAVY

THE usual treatment of scabies by means of sulphur ointment and baths has other disadvantages besides that of inconvenience, especially when a number of cases have to be treated simultaneously. In March of last year 8 cases of scabies were detected in a naval mess where spread of infection was inevitable under the conditions of close contact found in a small warship. The patients were isolated and their kit fumigated and it was decided to try the "Hypo-HCl" method of treatment. According to Fitch (1938) this method was employed in at least one British field ambulance during the late war, but it was later rediscovered in Germany and is being used satisfactorily by Huber (1938) in Budapest.

It consists of painting the whole of the patient's skin with a 25 per cent. aqueous solution of sodium thiosulphate (the photographer's "hypo"), allowing this to dry and then painting with 5 per cent. hydrochloric acid. This is repeated, so that a single treatment consists of two alternate applications of hypo and acid. The result is a very fine deposit of sulphur on the skin without a tedious and somewhat unpleasant inunction. A full course consists of two treatments on each of three successive days. All the cases cleared up on one course without incident. One further case occurred some months later and responded to the same treatment.

This method does not seem to be so widely known as it deserves. It is entirely free from discomfort or risk; it can be carried out anywhere and requires no special skill; its cost is low; and finally it is particularly convenient in cases where bath facilities are conspicuous by their absence.

REFERENCES

Fitch, W. K. (1938) *Lancet*, **1**, 347.
Huber, A. (1938) see *Ibid*, p. 285.

MEDICAL SOCIETIES

OPHTHALMOLOGICAL CONGRESSES IN LONDON

OPHTHALMOLOGISTS assembled in London for 3 congresses last week, all held at the house of the Royal Society of Medicine at 1, Wimpole Street, W.1. The annual congress of the

Ophthalmological Society of the United Kingdom

took place on April 20, 21 and 22. The president, Mr. T. HARRISON BUTLER (Birmingham), gave an address on the *anterior capsule*. He showed that clearly defined zones can be recognised and that the zonular lamella, which is probably of different origin from that of the hyaline capsule, has characteristic lesions of its own. The epithelial cells were probably the oldest part of the lens and have a purely nutritional function. The address was profusely illustrated with drawings from clinical cases.

SOME COMMUNICATIONS

Dr. W. J. B. RIDDELL (Glasgow), speaking on *multiple factors in hereditary eye diseases*, pointed out that the association otherwise than accidental of two inherited conditions gave identifiable syndromes and opened the theoretical possibility of constructing human chromosome maps. He discussed in detail the association of colour-blindness and hæmophilia and described a pedigree containing colour-blindness, blue sclerotics, deafness and fragilitas ossium.

In a paper by Dr. M. KLEIN (Budapest), read in his absence by Mr. F. RIDLEY (London), a survey of different methods of *wound closure after cataract extraction* was given on the basis of 600 cases. Conjunctival flaps, Kuhnt's conjunctival apron and the Liegard corneal suture were employed.

Mr. F. A. JULER (London), in a paper on *hypotony after sclero-corneal trephining*, suggested a readjustment of the conjunctiva for the hole or a fresh flap rotated from the temporal side as suitable measures for this unpleasant complication which showed itself by choroidal detachment, pupillary exudate and lens opacity.

Prof. H. LAUBER (Warsaw), discussing *pallor of the disk*, observed that three different factors may be involved: anæmia, lipæmia and ischæmia, the latter being the most important and the most often met. The disappearance of nerve-fibres and their substitution by glial tissue, as also the disappearance of capillaries, were not insignificant. In tabes pallor was largely due to ischæmia and the normal pink colour of the disk might be restored when the disproportion between the normal intra-ocular tension and the diminished arterial pressure in the vessels is

overcome. It was, therefore, important to recognise that pallor of the disk is not synonymous with atrophy of nerve-fibres.

Prof. Lauber also contributed a paper on *combined operations for glaucoma*, saying that in refractory cases cyclodialysis combined with iridectomy had definite advantages, the cyclodialysis being done from the iridectomy incision or independently. Posterior sclerotomy was also a useful procedure in some cases prior to iridectomy.

Dr. HARALD GJESSING (Oslo) in a paper on *Holth's iridencleisis antiglaucomatosa* gave an analysis of the results of 198 operations followed up from 6 to 280 months. In 72 per cent. the intra-ocular tension was normalised without pilocarpine and in a further 18 per cent. with pilocarpine. Central vision had not declined in 80 per cent. of the cases and the field had not been reduced in 86 per cent. He held that if after 36 months no deterioration had occurred a permanent cure could be assumed. Technically it was essential to combine the operation with meridional iridotomy.

In a paper on *bipolar electrolysis in the treatment of detachment of the retina*, Dr. W. J. W. FERGUSON (Sheffield) described the method elaborated by von Szily. Ease of access, absence of adhesions, accurate estimation of dosage, relative absence of postoperative reaction and pain and mildness of scarring were some of the features which recommended this procedure.

The *treatment of increased ocular tension with diathermy in glaucoma* was the subject of a paper by Mr. J. P. F. Lloyd (Cheltenham), who pointed out that this treatment was not new, but was none the less most effective. In cases of acute and subacute glaucoma it was often successful as the sole measure and at least made it possible to defer operation till a more quiescent stage had been reached.

Dr. T. J. PHILLIPS (London) stressed the value of *short-wave diathermy in ophthalmology* and indicated a series of conditions in which it could be used.

Mr. J. MINTON (London), in a paper on the *one-eyed worker in industry*, pointed out that those who had had amblyopic eyes from childhood were sometimes but little handicapped and those who lost an eye in adult life often adjusted themselves and obtained reasonable perception of depth. The standards adopted by many factories required too high a binocular visual acuity and standards on the vocational need of good vision were desirable.

Mr. G. T. W. CASHELL (Reading) and Dr. S. K. KON, in a paper describing *studies in lactose and galactose cataracts in rats*, drew attention to the work of Mitchell, who had obtained nutritional cataract in the rat by high concentrations of lactose and galactose in the diet. In extending these experiments they found that when the lactose and galactose were administered in different vehicles the results were rather different. Diets containing less protein were more toxic. Fresh liquid skim milk was more toxic than the dried product, and a greater liquid intake with a dried milk powder was also more toxic. Regression of the cataract occurred with the discontinuation of the toxic agent and high proportions of protein tended to act as a protective.

Mr. E. WOLFF (London) discussed some aspects of the *blood-supply of the optic nerve and retina*. He showed that the papillo-macular bundle is relatively poorly supplied with blood. The arteria centralis itself until its bifurcation had probably nothing to do with the nutrition of the nerve.

Mr. LINDSAY REA (London), speaking on the further uses of the *curved retrobulbar needle*, described the technique of injecting analgesic agents into Tenon's capsule, and thus obtaining a direct effect on ciliary nerves. The anæsthesia was complete and therefore general anæsthesia could be avoided more often than when other methods were used.

Mr. J. ADAMSON and Mr. E. F. FINCHAM (London), in describing the *effect of lenses and convergence upon the state of accommodation of the eye*, showed that by the use of transparent plane mirror and the "coincidence optometer" it could be determined that accommodation remained unaltered within certain limits, with the maintenance of the best vision, whilst the vergence of the light entering the eye was modified by positive and negative lenses. Changes in convergence also influenced the state of accommodation; the accommodation in binocular vision differed from the monocular state by amounts dependent on the presence and magnitude of horizontal muscle imbalance.

Mr. W. O. GIBSON TAYLOR (Glasgow), speaking on the *effect of enucleation of one eye on the growth of the face*, gave an analysis of 50 cases investigated at intervals of from two to ten years following removal of an eye in childhood. External measurements, confirmed by X-ray examination, showed that enucleation before the age of 7 years resulted in an aberration of development in both size and shape of the orbit. This abnormal development affected in some part the surrounding air sinuses.

Mr. L. P. JAMESON EVANS (Birmingham), in a paper on *tobacco amblyopia*, reviewed the clinical aspects and pathology of the affection and discussed the significance of the water content of the different types of tobacco in relation to their toxicity, and the rôle of the liver in the elimination of the toxic agent. Stressing the importance of vasoconstriction in this affection he brought forward evidence of the value of the use of antispasmodics.

The Bowman lecture was delivered by Prof. H. WEVE (Utrecht) on

DIATHERMY IN OPHTHALMIC PRACTICE

After indicating the historical and physical basis of the use of diathermy he stressed its value in facilitating accurate dosage and strict localisation of effects. It had the further advantages of leaving soft and flexible scars, stopping hæmorrhage, having an antiseptic action, and, above all, enabling an approach to the interior of the eye to be made without opening the globe. He illustrated clinical applications of diathermy in ophthalmology by case reports with drawings showing the effect of diathermy in a wide range of affections including epibulbar sarcomata and carcinomata, contracted sockets, conjunctivitis, glaucoma and intra-ocular tumours, including hæmangiomata. Another field where it found application was the letting-out of fluid in cases of vitreous opacities in chronic inflammation and intra-ocular hæmorrhages; in intra-ocular tuberculosis too it had found its uses. The greatest success was, however, the treatment of detachment of the retina; in 1938 he obtained 81 per cent. of successful results in 141 cases. The technique employed at Utrecht was illustrated by a colour film.

The main discussion of the congress was devoted to the

PROBLEMS OF REFRACTION

Mr. C. B. GOULDEN (London) opened with a restatement of general principles, emphasising that the taking of visual acuity involves the determination of the light sense, the form sense for grating, contour and letters, and the colour sense. In the discussion on the criteria necessary for distant types and near types he recalled the principles underlying Snellen's

test types, which were a direct development of Hooke's observations in 1645 of the minimum angle of visual acuity. In speaking of retinoscopy he pointed out the advantages of the diaphragm lamp of Gullstrand on the slit-lamp plan and of a plane transparent mirror. Other aspects discussed were the use of test lenses, trial frames, the measurement of the near point and of muscle balance.

Mr. A. H. LEVY (London) followed with an exposition of methods of estimation—refinements additional to the minimum laid down by Mr. Goulden. He spoke of the principles underlying the use of the keratometer for the measurement of the refractive power of the anterior surface of the cornea, of retractionometers for the estimation of the total refraction of the eye, of the duochrome test and astigmatic fans. The clinical aspects were discussed by Mr. R. AFFLECK GREEVES (London), who indicated various pitfalls, stressing in particular the difficulties in the correction of presbyopia. The general discussion was opened by the PRESIDENT who laid stress on the problem of spasm of accommodation. Mr. W. H. MCMULLEN (London) emphasised the importance of precise fitting of lenses. Dr. R. ONFRAY (Paris), speaking for Prof. Terrien and himself, strongly commended the use of the diploscope as a routine procedure, whilst Dr. VICTOR PURVIS (London) and Mr. J. P. F. LLOYD (Cheltenham) spoke of the value of crossed cylinders. Wing-Commander P. C. LIVINGSTON (London) drew attention to the importance of leaving alone high errors of muscle balance when the patients did not experience any discomfort and discussed the difficulties and advantages of correcting troublesome lower errors. He showed a test type adapted for determining visual acuity in children. Dr. BASIL GRAVES (London) deprecated excessive activity in correcting errors of refraction, particularly of the low variety. Mr. THOMSON HENDERSON (Nottingham), in supporting this view, emphasised the constitutional factor in discomfort which is generally ascribed to refractive errors.

During the congress Dr. A. J. BEDELL (Albany, N.Y.) demonstrated colour photographs of fundus lesions, dealing in particular with the fundus in diabetes, and Mr. H. B. STALLARD (London) showed a cinematograph film of ophthalmic operations.

International Association for Prevention of Blindness

This association met on April 19, the session being devoted to a discussion on

OPHTHALMIA NEONATORUM

With the president, Dr. P. BAILLIART (Paris), in the chair, Dr. A. H. H. SINCLAIR (Edinburgh) spoke of the disease in Great Britain. The incidence per thousand live births in Scotland ranged between 15·5 per cent. and 19·2 per cent. in the years 1933 to 1937, while in England and Wales the incidence was between 7·0 per cent. and 8·3 per cent. He described the administrative measures for its prevention in different parts of Scotland and held that 1 per cent. silver nitrate was still the most effective prophylactic, though much might be hoped in the future from sulphanilamide and its derivatives. Prof. A. VON SZILY (Münster) discussed the position in Germany, emphasising the great changes that had taken place since Credé first introduced his prophylactic method. The Credé method was, however, not an absolute guarantee of safety, which could only be obtained by eliminating the source of infection. The treatment of maternal gonorrhœa was, therefore, the first line of defence, the second line being insistence that midwives carried out the Credé method scrupulously. Compulsory notification of gonococcal ophthalmia was essential to ensure early treatment. Dr. R. P. WILSON (Cairo) discussed the puzzling rarity of ophthalmia neonatorum in Egypt, where gonorrhœa was not uncommon. Dr. C. BERENS (New York) reported on the decline of the affection in the United States since the introduction of the Credé method and gave an account of the present administrative procedures. He stressed the need for a prophylactic agent other than silver nitrate. Prof. F. TERRIEN (Paris) spoke of cleanliness as the first line of defence and reported that in France few obstetricians used 2 per cent. silver nitrate, the concentration commonly used being 1 per cent. or 0·75 per cent. The omission of any prophylactic method he regarded as a breach of duty as serious as abstention from aseptic measure before operation. Mr. J. D. M. CARDELL (London) emphasised the importance of a freshly made solution of silver nitrate, as evaporation and decomposition by light were dangerous factors. Silver acetate (1 per cent.) had the advantage that it could not become more concentrated owing to the insolubility of the salt; should it decompose the acetic acid set free was less irritating than nitric acid. Prof. L. MAGGIORE (Genoa), in relating Italian experiences, reported the use of Protargol and Argyrol as a substitute for silver nitrate; it was important to have standard solutions. Where prophylactic remedies are given out to midwives the agent should be prepared and distributed under state control. Prof. A. VASQUEZ-BARRIÈRE (Montevideo), in giving the experiences of Argentine, reported that in South American republics ophthalmia neonatorum constitutes between 25 per cent. and 48 per cent. of all causes of blindness. Active administrative measures were now being legally enforced to overcome this great toll on sight.

A film on industrial eye accidents was demonstrated by Mr. J. MINTON (London).

International Organisation against Trachoma

This congress met in the evening of April 21. In his presidential address, Mr. A. F. MACCALLAN (London) dealt, among other matters, with the current views on the virus origin of trachoma. He doubted the rôle of the louse as a carrier and was sceptical of the value of sulphanilamide in the treatment of the affection. He emphasised the persistence of foci of infection in the tarsus in apparently healed cases. A symposium on the incidence and clinical type of trachoma met with in Europe and North and South America—that is, in countries which are commonly considered to be non-trachomatous—was opened by Dr. F. J. LAVERY (Dublin), who reported that in Ireland though the disease was not widespread it was endemic and still constituted a major problem. In six orphanages that he had visited 66 out of 319 children were affected, 41 coming from one institution. In 913 school-children he had found 5 affected. He estimated trachoma as being responsible for about 12 per cent. of the total blindness in Ireland. Dr. HARRY GRADLE (Chicago) estimated the number of affected persons in the United States at 33,000. Trachoma was mainly seen in the indigenous Indian population, amongst illegal emigrants coming from Asia and Mexico, and previously also in Russian-Polish immigrants. It was endemic along the river banks, but sporadic cases were seen throughout the country. Prof. W. ROHRSCHNEIDER (Königsberg) reported that in Germany trachoma was chiefly confined to the eastern frontier, but sporadic cases,

mainly in the non-native population, were seen elsewhere. In his experience there was no evidence for the view that the louse was the carrier of the virus; trachoma and the louse were the common factors of a low standard of hygiene. Mr. ARNOLD SORSBY (London), reporting on the direct information available from Glasgow and the indirect information from London, as also on the evidence from blind certification, showed that trachoma was a progressively diminishing problem in Great Britain. Contrasting the administrative measures taken in Glasgow and in London, he recalled successess obtained by other measures elsewhere and emphasised the ease with which trachoma is overcome by systematic effort of almost any kind. He could not support the current view that trachoma in this country always runs a mild course.

A discussion on the treatment of trachoma by sulphanilamide and its congeners, opened by Dr. HARRY GRADLE, who spoke highly of this mode of treatment, concluded the meeting.

MEDICAL SOCIETY OF INDIVIDUAL PSYCHOLOGY

AT a meeting of this society held in London on April 13, with Dr. H. C. SQUIRES in the chair, a paper on

Escape Into Activities

was read by Dr. A. SANDISON. In animals, he said, activity is primarily concerned with the necessities of self and race preservation, supplemented by the exercise necessary for health, and beyond these needs the animal does not indulge in excess of activity. In man the natural causes of activity are fundamentally the same but extend into wider spheres of self-fulfilment and mental creation. In so far as man's activity can be related to such objects it is normal; otherwise it needs further explanation. It is, however, difficult to define a normal range for man's activities since individuals vary widely in their capacity and circumstances. A quantitative standard is perhaps a better guide than a qualitative one. When activity becomes activities, when "Doing is activity; he will still be doing," common sense begins to criticise and inquire. The proper spacing of rest periods is a function of life and when activities are pursued in a way that hinders adequate rest and repose we can suspect abnormal circumstances.

The causes of activity are stimuli; successful living consists in sorting out the stimuli and dealing with them according to their importance. When this selection of stimuli becomes uncoördinated we lose balance, and our engine is apt to race or stall. Excess of activities may often be a reasonable response to temporary emergencies, and in war, for example, there may be no limit but capacity as the correct response. The semi-educated, fussy, person lacks proper training in response to stimuli, but his futile activities do not necessarily need deep psychological explanation. It is when the ordinarily well-controlled person breaks out into a profusion of activities that another explanation is required. The condition may be pathological or physiological, but is not infrequently psychological. Can it ever be a manifestation of a desire to escape from real or imagined fears or discomfort? The escape motive, although a good working hypothesis, has become rather too fashionable and needs critical study. It is noteworthy, however, that activity is itself a biological method of escape. Flight and combat both involve strenuous exertion, and the sudden transition from paralysing fear to violent anger is an attempt to escape by an increase in activity. May it not be that this association in animals between escape and increased activities has extended itself in man to the mental sphere? When the stresses from which escape is sought increase in number or intensity we may react by multiplication of activity into activities. The process may be conscious and deliberate, but the seeking refuge in an accumulation of miscellaneous activities is probably more often subconscious, and not readily or willingly understood.

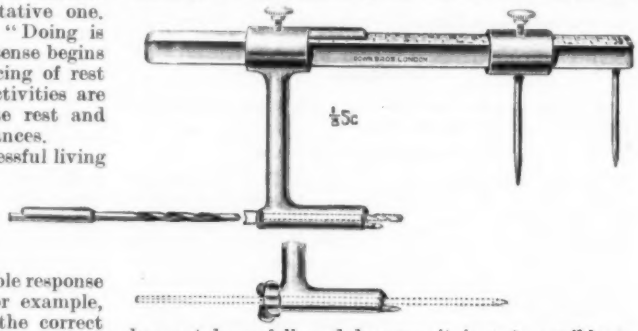
In judging the therapeutic value of such activities Dr. Sandison suggested restlessness as a criterion, defining it as ill-directed uncoördinated activity; a confusion resulting from inability to deal efficiently with stimuli. When, by increasing activities, the excess of stimuli is absorbed and correlated, the restlessness may diminish or disappear and the escape into activities has been a therapeutic success. But when, despite increase of activities, restlessness increases and becomes restiveness, the cure is not working and the therapy needed may be a giving of insight into the escape motive.

Dr. Sandison concluded, therefore, that escape by activity is a normal physical and psychological phenomenon and that its quantitative increase into activities may be a reasonable form of self-therapy. Its therapeutic value and normality can be judged by the extent to which it controls the restlessness it seeks to remedy.

NEW INVENTIONS

DIRECTOR FOR THE INSERTION OF SMITH-PETERSEN NAILS

IN inserting Smith-Petersen's nails I have sometimes found that the guide-wire is bent by the cortex of the femur. In the original description of his guide-wire Watson Jones advocated the use of a Morse drill for perforating the cortex, but his advice



has not been followed because it is not possible to use a drill with Hey Groves's director. The modification illustrated here, which can be carried out inexpensively on any existing instrument, overcomes this difficulty. When the guide is in position the inner sleeve is removed and a 3/16 in. hole is drilled in the cortex. The inner sleeve is then replaced and the guide-wire is in no danger of deflexion.

The modified director has been made for me by Messrs. Down Bros. of St. Thomas's Street, S.E.1.

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REVIEWS AND NOTICES OF BOOKS

The Medical Annual

A Yearbook of Treatment and Practitioner's Index. Edited by H. LETHEBY TIDY, M.D., F.R.C.P., and A. RENDLE SHORT, M.D., B.Sc., F.R.C.S. Bristol: John Wright and Sons; London: Simpkin Marshall. 1939. Pp. 660. 20*s*.

ONCE again we have before us the most hardy of perennials. This year the "Medical Annual" chronicles an unusual list of advances in practical treatment. The story of the sulphonamides and M. & B. 693 is fully recorded, both in a general review by R. St. A. Heathcote, and in a number of articles on the individual diseases in which treatment is spectacularly successful. Aubrey Lewis gives a full account of insulin and convulsant therapy of schizophrenia; most impartial observers will agree that he strikes the right note of definite but guarded optimism. In his other articles on psychological medicine Lewis reflects the change of orientation in psychiatry which has reached England from Germany and the United States. The neglected but very important work of Gjessing of Oslo on periodicity in a small group (2–3 per cent.) of schizophrenics is fully reviewed. Gjessing was able to show in these cases a definite correlation between nitrogen excretion and retention and psychological change. By thyroxine treatment it is apparently possible to remove the stored nitrogen and to stop both the mental and physical disturbance; reaccumulation can be prevented by suitable doses of thyroid.

Nomenclature in medicine has been a source of endless and usually profitless controversy. It is satisfactory that American and English cardiologists have agreed upon a standard method of recording lead IV electrocardiograms, while the new nomenclature of bundle-branch block seems to have come into its own. W. Evans records a new electrocardiogram denoting right bundle-branch block, which is apparently commoner than the tracing which has hitherto been accepted as standard curve. M. Davidson, who succeeds Burrell as abstractor on pulmonary diseases, discusses the claims of "pneumonitis" as a substitute for "pneumonia" in cases of pulmonary infection without raised respiratory rate, and concludes that the term is probably of real value.

As usual, the annual contains some admirable reviews. Ethel Cassie writes on maternity and child welfare, S. C. Dyke on clinical pathology, P. N. Panton on the sedimentation-rate, and H. Gardiner-Hill on sex-hormone therapy. His list of proprietary substances suggests that the confusion in the minds of most doctors on the subject of the sex hormones will not be removed until manufacturers agree to abandon their trade names, substituting perhaps instead the initials of their firm in brackets after the scientific names. At present, to give only a few examples, œstrone appears as Menformon, Œstroform, Theelin, Progynon and Unden; œstradiol benzoate as Dimenformon, Œstroform B and Progynon B; progesterone as Progestin, Proluton and Lutren; the gonadotropic hormones as Pregnyl, Antuitrin-S, Gonan and Prolan (predominantly luteinising), and Antostab (predominantly follicle-stimulating); and testosterone propionate as Testoviron and Neo-hombreol. Such a reform would probably benefit the manufacturers in the long run, as the present confusion is a potent inhibitor to the widespread use of the sex hormones. Sir Stewart Duke-Elder's article on contact glasses and D. H. Kitchin's on legal decisions and enactments are sufficiently extensive and informative to merit the title of reviews.

In the surgical sections little advance is recorded. Transfusion with cadaver and placental blood, and the localisation of cerebral tumours by means of the electro-encephalogram are considered, but most of the surgical abstracts deal with the results of well-established techniques. It seems that experimental medicine has caught up and overtaken practical surgery; and that more of the younger surgeons will have to conquer the fascination of the theatre and enter the laboratory before the problems of the ætiology and physiopathology of the so-called surgical diseases are to be solved. Among the many minor practical surgical points for which the "Medical Annual" finds space are Muldavin and Holtzman's successes with urea in the treatment of infected wounds, and Heggs's apparatus for continuous duodenal suction.

Among the subjects of topical interest, G. E. Gates contributes a short and rather inadequate review of air-raid precautions, and Macdonald Critchley writes on traffic lights with special reference to Fabing's essay on the conditioned reflexes induced in drivers. The outstanding disadvantage of our English system of traffic lights is the impossibility of telling how long any one colour has been on. The driver is thus kept in a state of mild tension until the colour changes. In Moscow, Zürich, and in some parts of Berlin this has been simply overcome by substituting a revolving finger which traverses slowly a sector of one colour and then enters the sector of another colour. This obviates the necessity for the yellow warning light, and the motorist knows exactly when the light is going to change. This type of signal is suspended from a cable in the middle of the street.

We can commend the "Medical Annual" to every practitioner who wishes to keep abreast of medicine in all its aspects. In no other annual review are accuracy, enthusiasm, and discretion so nicely tempered.

Health and Nutrition in India

By N. GANGULEE, formerly professor of agriculture and rural economy, University of Calcutta (1929–31); ex-member of the Royal Commission on Indian Agriculture (1927–28). London: Faber and Faber. 1939. Pp. 337. 15*s*.

THIS book is important: it should be read by all interested in the economic and social development of India, and especially by the future leaders of Indian political life, to whom it is addressed. The author insists that the first duty of any government is the provision of adequate food for the people, and to this end he presents the facts about health, nutrition, agriculture and animal husbandry in relation to the prevailing economic and social conditions of the Indian masses. Sir John Orr in his introduction also stresses this aspect of nutrition work and relates the Indian problem to the world problem.

The first part of the book—a review of nutrition and dietetics and of deficiency disease—could have been condensed with advantage, but its greatest defect is failure to differentiate accepted from controversial work. The Indian bias towards a strict vegetarian regime may perhaps account for the stress laid on Prof. Terroine's view that "there is no

need to include protein of animal origin in the diet of man," although in later chapters the crying need for more milk and milk products, especially in the diets of infants and young children, is emphasised. The second part of the book, devoted to the condition of the public health in India, makes sorry reading, and would be even more effective if Prof. Gangulee, though always fair to the individual British worker, did not constantly labour the iniquities of the late government. Sanitation, water-supply, infant and maternal mortality, tuberculosis, and deficiency diseases are reviewed and a brief account is given of the meagre public health, maternity and child welfare and other services. There follows a valuable but rather prolix discussion of Indian foods. In the last section of the book the responsibility of the state towards problems of nutrition is clearly set out and constructive suggestions are made for the betterment of the state of the public health of India. Prof. Gangulee shows that the malnutrition of the masses is an economic problem, the solution of which lies in increasing the spending power of the people and in a proper organisation of agriculture and animal husbandry so that protective foods may be made available. But he insists that more than this is necessary: research propaganda to overcome inertia and age-long social and religious habits and to bring pressure on the authorities, and the reorganisation of agriculture, animal husbandry and fisheries and of storage and transport facilities. This section of the book should be a challenge to Indian workers to show how much they can achieve for their country.

Rheumatism

By BERTRAM S. NISSÉ, M.D. Lond., M.R.C.P., hon. physician, British Red Cross Clinic for Rheumatism. London: John Bale Medical Publications. 1938. Pp. 168. 5*s*.

THIS is a clear account of the more usual rheumatic conditions in a form which can be readily digested. The author gives little indication, however, of the relative commonness or importance of the various symptoms, nor is the picture of the disease always balanced. It is an exaggeration to say that the rheumatic pains of childhood "keep the child awake for hours at night."

The chapters on fibrositis are helpful, particularly the sections on panniculitis, bursitis and sciatica; the warning that a diagnosis of simple sciatica should not be made without a thorough systematic examination is always timely. In the description of rheumatoid arthritis the psychological factor is neglected. A good deal of useful information is given about treatment.

Atlas de phonocardiographie clinique

By A. CALÔ, assistant étranger à la Faculté de Médecine de Paris. Paris: Masson et Cie. 1938. Pp. 104. Frs.60.

THE modern tendency is to regard the value of knowledge of the finer points of auscultation of the heart as outweighed by the difficulty of acquiring it. For two reasons the importance attached to this art has diminished: firstly because the functional efficiency of the diseased heart is now regarded as of more moment than its anatomical lesions; and secondly because methods of examining the heart have been introduced which are less liable to be affected by personal bias or error. For the development of a science of auscultation it has been found necessary to devise some objective method of recording the heart sounds with which to analyse and to check the more doubtful findings obtained by the stethoscope. It has been recognised for some time that the human ear is not capable of timing murmurs with the precision which was at one time thought possible and also that certain vibrations of low frequency produced by the heart escape auditory perception. To record graphically only those heart sounds which are audible presents great difficulties, for any recording device not only registers the adventitious sounds which the trained ear has learned to disregard but also those of such low frequency as to be below its threshold of appreciation. Though in recent years it has become possible to record heart sounds electrically with more selectivity, it is still advisable, for simplification of their analysis, to have a synchronous record of the events of the cardiac cycle such as is given by an electrocardiogram or a tracing of the jugular pulse. An objective method of checking what one hears through a stethoscope has obvious value for teaching purposes.

In this volume advantage has been taken of the improvements in electrical technique to supply records of sound waves, electrocardiograms, and, where necessary, pulse and respiration tracings in 37 cases of cardiac disorder. The records are excellently reproduced and are presented simply without theoretical discussion of debatable matters. Those interested in phonocardiography will find here a comprehensive guide to the practical interpretation of graphic records of the heart sounds.

Aids to Forensic Medicine and Toxicology

(11th ed.) By J. H. RYFFEL, B.Ch., lecturer in forensic medicine, Guy's Hospital. London: Baillière, Tindall and Cox. 1939. Pp. 170. 3*s*. 6*d*.

FORENSIC medicine is a difficult and complicated subject, but the questions asked on it at final examinations for medical degrees are by no means searching. Many who disapprove of small "aids" in principle will admit that it is reasonable for a student who knows this to want a clear summary within his reach. Dr. Ryffel's long experience as toxicologist to the Home Office is reflected in the new edition of the little book that was originally written by Dr. W. G. Aitchison Robertson. The publishers' note that it gives the main facts in a small compass is true and its longevity proves its value to the student and, we suspect, also to the harassed practitioner. Dr. Ryffel's revision preserves the book—in its own elementary way—properly abreast of the times.

Yearbook of Dermatology and Syphilology

Edited by FRED WISE, M.D., clinical professor of dermatology and syphilology, New York Post-Graduate Medical School and Hospital of Columbia University; and MARION B. SULZBERGER, M.D., assistant clinical professor of dermatology and syphilology at the school. Chicago: The Year Book Publishers; London: H. K. Lewis and Co. 1939. Pp. 719. 12*s*. 6*d*.

EACH year dermatologists await eagerly the publication of this compendium and they are never disappointed in its content. This year the abstracts of the most important papers on dermatology and syphilis number 545, taken from 81 periodicals published in 13 countries. The summaries are so well done as to be miniature papers in themselves; they are grouped into fourteen sections and at the end of each of these is a supplementary bibliography. This yearbook is indispensable to the dermatologist and contains much material of interest and value to others.

THE LANCET

LONDON: SATURDAY, APRIL 29, 1939

NURSING PROSPECTS

THE debate in the House of Commons on the training and working conditions of nurses (see p. 1009) centred round service in peace-time. The depth of feeling shown by members was informed not only by a close study of the Athlone interim report but also for the most part by personal knowledge of one or more aspects of the problem. The reasons given for the shortage were the familiar ones of long hours, poor financial prospect and uncertain superannuation, the gap between leaving school and entering hospital, irksome restrictions, lack of consideration and amenities, and still in many places unsatisfactory food and lodging. The dilemma of hospital authorities genuinely anxious to reduce working hours, despite the cost, was clearly brought out by Sir FRANCIS FREMANTLE. Until hours are reduced the scarcity of recruits will continue, and until more personnel are enlisted hours cannot be reduced. The introduction of a 96-hour fortnight would, according to the Athlone committee, generally require an increase of establishment varying from 20 to 30 per cent. Colonel PONSONBY confirmed the lower of these figures by his list of the extra staff that would be needed at the London Hospital to reduce the hours of day-nurses from 105 to 96; at many hospitals the cut would have to be much more than 9 hours, with proportionate additional help. Bearing in mind not only this necessary reform but the demand from every quarter for more nurses, Sir FRANCIS suggested that an annual entry of 20,000 is required now in approved training schools alone, apart from any future expansion. This estimate seems a rather steep advance on the 12,000 a year which the Athlone committee regards as essential to maintain the present (inadequate) rate of recruitment. Hospitals which depend largely on student labour for routine work should not, of course, try to enlist more probationers than the profession will easily absorb. The figures given in the House, however, related to the entries to the preliminary and final state examinations rather than to those who achieved registration. The *entries* to the preliminary state examination rose from 5984 in 1926 to 9624 in 1937, the corresponding figures for the final examinations for all the registers being 4269 and 9516. The *admissions* to the registers in the same years were 3228 and 6643 respectively; and though the entries are relevant to recruitment it is the actual output of trained nurses that matters from the point of view of eventual overcrowding. There is in fact ample evidence that though twice as many nurses were admitted to the state registers in 1937 as in 1926, the increased supply has always been more than neutralised by the more rapidly growing demand. An accumulated deficiency has thus to be made up (partly met at present by the employment of the "assistant nurse") and the difficulty of retaining the services of a trained nurse in many hospitals is now said to be even more serious than that of enlisting probationers. It is agreed that a higher rather than a lower ratio of trained nurses to probationers is desirable at most approved schools, but the L.C.C. have found it necessary to cope with the shortage by increasing the number of junior probationers admitted so as to release seniors in their fourth year to act as staff nurses. Sir FRANCIS's estimate may indeed not be much too high (it is presumably meant to include entries to mental hospitals) unless means are found to reduce considerably the wastage from defection of probationers and from failures at state examinations.

The prospect of getting a substantial increase of recruits this year or next would not be rosy if they awaited assurance of the universal establishment of better conditions. Mr. ELLIOT, however, told the House that government action will not be deferred until the appearance of the final report of the Athlone committee, that the financial recommendations will be the subject of a statement and debate at a reasonably early date, and that Whitley councils and Burnham committees are under consideration. He will confer with local authorities on the administrative recommendations and will ask the British Hospitals Association to draw the attention of the voluntary hospitals to them. He proposes to approve the rule submitted to him by the General Nursing Council which will allow part of the preliminary state examination—anatomy, physiology, and hygiene—to be taken before entering hospital. Organisation throughout the kingdom of pre-nursing courses in these subjects is likely to yield a good harvest, since there will not only be full-time courses for secondary-school girls but evening courses at technical institutes for girls from elementary schools who have to earn their living pending admission to hospital. The Athlone committee has been criticised for paying more attention to smoothing the path from elementary school to hospital than to fostering the interest of the better-educated girls; but those who acquire the school certificate at the usual age and have any desire to nurse will surely be encouraged by the possibility of taking their first professional examination only a year or so later. It seems likely that the linking of entry to the nursing profession with the later stages of school life will greatly influence the numbers choosing this career, especially now that nursing is becoming generally recognised as an important national service.

The latter part of Mr. ELLIOT's speech in the House was devoted to an appeal for 100,000 nurses and nursing auxiliaries for civil defence. Most of these will have to be women who besides taking lectures in first-aid and elementary nursing spend a number of hours—or a week or so in one spell—in the hospital to which they are allocated for brief concentrated experience. They have been assured that they will be taught actual nursing duties and will not be expected to do domestic

work. Here is an opportunity for propaganda that should not be missed. In the late war V.A.D.'s were sometimes snubbed or patronised instead of being welcomed as colleagues; if the volunteers are treated with courtesy, taught with patience, and allowed to see the interesting side of hospital work some of them may take up nursing as a permanent career, or secure others free to do so. It is unfortunate that the Athlone report should have appeared just now that attention is deflected to the urgency of preparation for a possible emergency, when the dilution of the nursing services by unskilled workers would be inevitable. It is the more satisfactory that the House was concerned at such a time with the permanent conditions of nursing service and showed eager determination to have these adjusted.

STATISTICS OF APPENDICITIS

IN spite of the frequency of such diseases associated with various parts of the alimentary canal as gastric and duodenal ulcer, appendicitis and colitis, we still know extremely little about the causes that precipitate or predispose to an attack. Lack of suitable experimental methods of producing the conditions in animals hamper adequate study of their ætiology; clinical material, of which there is certainly no dearth, has so far led to little advance in knowledge of the conditions which produce it. Close attention to the psychological and physiological make-up of the patient, and to his environment and mode of life, may in time give at least partial solutions to the problems, as is suggested, for instance, in the work of DAVIES and WILSON on the temperament of the gastric ulcer patient.[1] A broader line of approach lies in the statistical analysis of recorded mortality and morbidity figures in relation to social, economic and similar factors. While it is, of course, unlikely that the ætiology of these diseases can be completely elucidated by such means, there is certainly reason to hope that they may produce pointers to more acute clinical observation in certain directions and focus attention on relevant factors. At the least they define the scope of the problem and its epidemiological aspects (in the broadest sense of the word). Such a study has been published this week in which two members of the staff of the Medical Research Council make a comprehensive survey of the statistics of appendicitis.[2]

Surveying first the national mortality figures they show that in England and Wales there has been very little change over the last twenty years in the death-rate from appendicitis at all ages. The total annual mortality today is of the order of 3000 deaths and the rate usually lies between 80–85 per million for males and between 60–65 for females, so that males have a 25–30 per cent. greater mortality than females. Division of the latter by civil state suggests a rather higher incidence of mortality on the single woman than on the married. Examination of the rates at ages shows, however, that the stability of the crude rate conceals changes at different stages of life. Mortality in the first five years of life and at over 45 years has definitely increased in the last twenty years, while at ages 5–45 there has been a considerable decline. The same trend is apparent in statistics from the United States. Particularly interesting is the history of mortality during the war and post-war years. Its course (measured on women only as giving a more accurate picture) closely resembles that shown by diabetes mellitus—that is, a decline in the death-rate in the years 1915–18, especially at older ages, with a subsequent return to the pre-war level. Various writers have suggested that the nature of the diet may have some influence in predisposing to appendicitis, that an excess of food, or perhaps certain types of food, may induce it. The reduction of the death-rate during the years of food restriction supports that view. The Registrar-General's statistics of mortality by social class, which the present authors quote in detail, show too that mortality falls most heavily on the socially fortunate classes and declines progressively as one passes down the social grades. The death-rate of the highest social class is as much as two and a half times as great as the rate of the lowest. Over indulgence in food or in particular types of food is likely to be more frequent amongst the well-to-do, but clearly other factors might also play a part—for instance, possibly differences in the habit of taking purgatives or laxatives for abdominal pain or discomfort. It would be interesting, as the authors point out, to test the view that appendicitis rarely occurs in institutions where the fare is plain, for example amongst some of the Roman Catholic orders or amongst vegetarians. At present records are not available but they would be worth collecting if this is practicable. Statistical comparisons between different countries are not easy to make. The figures collected by YOUNG and RUSSELL suggest that mortality in Germany is of the same order as that in this country; the rates of Scotland, Sweden and Switzerland are relatively high, those of Italy and Holland only about half the English figure. A curious feature in the German figures is the fact that whereas the death-rate in Prussia and Bavaria is 82 per million, in Saxony and Württemberg it is less than 50.

In the second half of their report YOUNG and RUSSELL consider closely the statistics of morbidity and case-mortality, and have extracted the records of the last 30–35 years of the London, St. Bartholomew's and St. Thomas's hospitals. These figures, in conjunction with others published in Scotland, America and Germany, show a great decline in the fatality of the disease. It is difficult to draw any certain conclusion on the incidence-rate but, remembering the lack of decline in the mortality-rate, it seems likely that there has been a definite increase in recent years, quite apart from any increase that may be due to more frequent resort to hospital and greater skill in diagnosis. Statistics of the insured population of Scotland also show a rising case-rate between 1930 and 1935, while the total sickness-rate from all causes was virtually stationary. Calculation of

1. Davies, D. T., and Wilson, A. T. M., *Lancet*, 1937, 2, 1353.
2. Appendicitis. A Statistical Study. By Matthew Young, M.D., and W. T. Russell. *Spec. Rep. Ser. med. Res. Coun., Lond.* No. 233. H.M. Stationery Office. 1939. Pp. 64. 1s.

the fatality-rates for different types of cases suggests that in uncomplicated cases it is about 1 per cent., in frank general peritonitis about 28–30 per cent., and in appendicitis complicated by abscess about 6 per cent. Differences of classification between one hospital and another, and still more between one country and another, make it impossible to give more than approximate figures. It has often been observed that a successful result seems to depend largely upon the interval of time between onset of symptoms and admission to hospital or operation. Although the real advantage to be gained from early operation cannot be accurately represented by the available fatality-rates, because the comparability of the group at the different time intervals is impaired by circumstances that result in selection of cases, the authors are satisfied that early admission to hospital is one of the most potent factors in reducing fatality from the disease. They conclude that the only hopeful method of further reduction lies, therefore, in the education of the public to this end and to the avoidance of purgatives or laxatives in cases in any way simulating appendicitis. The clinical experience they quote gives little support to the view that many cases diagnosed as appendicitis today are not true cases of the disease at all but depend upon the psychological make-up of the patient. For instance, of 8000 cases recorded in Edinburgh hospitals, and reported by WEVILL and WALLACE, only 6 per cent. showed at operation no disease of the appendix to account for their symptoms. In the hands of careful workers at great centres such cases may, of course, be much fewer than elsewhere, and the criteria of abnormality in an appendix is unlikely to be uniform in all pathological laboratories.

To summarise the main features of this report it seems that in this country we have in appendicitis a disease with an unchanging mortality-rate, producing close on 3000 deaths a year, a declining fatality-rate which is satisfactory, but probably an increasing rate of incidence: a disease with a clear differentiation of mortality by social class and one which, like diabetes, showed an appreciable reduction under the war period of food restriction; a disease which is particularly amenable to early treatment. YOUNG and RUSSELL have performed a useful service in the heavy task of collating and clearly presenting the available statistical material relating to it.

DEFECTS OF WORKMEN'S COMPENSATION

A ROYAL commission on workmen's compensation is now in session and will at length produce recommendations which may be translated into legislation or may be pigeon-holed like those of the Holman Gregory committee. Meanwhile Sir ARNOLD WILSON and Prof. HERMANN LEVY, whose studies of our social system make them in some sort a permanent royal commission of themselves, have published a historical survey of the subject.[1] They promise to set forth in a second volume the proposals for reform already foreshadowed in their preface. They find our existing scheme of workmen's compensation full of grave defects, extravagant in the cost of operation, wasteful of human health in its indifference to the need for rehabilitating injured workmen, and a source of ill feeling between employers and employed, and of friction between the medical profession and its patients.

The tragic separation of the compensatory from the curative and preventive aspects is indeed common knowledge. When the workman's injury is a fracture, somebody will take care that the tissues are reunited, but often too little attention is paid to restoration of function. The county court will see that the workman gets his award, but who will make sure that he gets treatment or furnish him with surgical appliances? The insurance companies concern themselves only with the risks of employment and display little interest in rehabilitation. An experienced county-court judge told the Holman Gregory committee that the basis of compensation should be extended far beyond mere pecuniary payment; it should include curative treatment for the curable and training for persons incapacitated from their old work. Ordinary surgical operations, said the judge, could be performed gratis in most general hospitals, but in the whole area of his jurisdiction (a large part of industrial Yorkshire) there was no institution where a workman could obtain curative treatment; "There are hundreds of people walking about in my district practically permanently incurable because they have not had the curative treatment at the proper time." The Holman Gregory committee made strong recommendations on this point without much result; compensation is given, and injuries are assessed, in cash only. If the Ministry of Health were not so preoccupied with the machinery and finance of local government, and the Home Office with A.R.P. and civil defence, and if the Treasury were not obliged to be so thrifty with the nation's money in a time of exceptional financial strain, something might be done.

On the long view the present system is without question uneconomical. Rehabilitation centres, of the pattern recently established by the Seamen's Hospital Society,[2] are needed throughout the country. Every sick and disabled man is a charge on industry and an item on the wrong side in the national budget. Sir ARNOLD WILSON and Prof. LEVY will probably show us ways of saving money by judicious reforms. In their volume on industrial assurance they condemned the wasteful finance of the competition between industrial assurance companies; in writing of workmen's compensation also they are likely to prefer state administration to competition between insurance companies which exist for profit, are interested to settle claims cheaply, and drive too advantageous bargains, particularly with the unorganised worker. We shall be interested to see the specific reforms which the authors propound in their second volume. They

1. Workmen's Compensation. By Sir Arnold Wilson, M.P., and Prof. Hermann Levy. Vol. I, Social and Political Development. London: Humphrey Milford, Oxford University Press. 1939. Pp. 328. 10s.

2. See *Lancet*, 1938, 2, 1005, 1017.

seem to favour the creation of a workmen's compensation commissioner as recommended by the Holman Gregory committee. Among his duties would be the appointment and regulation of medical referees, the scheduling of new industrial diseases and the making of silicosis schemes. This proposal seems to raise high constitutional issues. If he worked as unobtrusively as the industrial assurance commissioner, who is also the registrar of friendly societies, all might be easy. But if his appointment fails to take workmen's compensation out of politics and away from the floor of the House of Commons, there must be some responsible Minister to answer questions in Parliament. The experiences of the Unemployment Assistance Board and the controversy over the means test were discouraging symptoms. Sir ARNOLD WILSON and Prof. LEVY may be trusted to make a strong case for anything they recommend. In this first instalment, thorough, scholarly and well documented, they have laid a solid foundation.

ANNOTATIONS

PSYCHIATRIC CLINIC AT GUY'S

THE establishment of a special inpatient department for all kinds of mental illness at Guy's Hospital, made possible by the gift of £43,000 by Five Friends, is a new departure in British medicine. Hitherto a few beds have been provided at Guy's, the Middlesex, and other teaching hospitals for minor forms of mental illness, especially psychoneurotic conditions, and a ward has been set apart for the same purpose at King's College Hospital under the direction of the Maudsley, but there has been no comprehensive inpatient accommodation such as exists in the psychiatric clinics of the Continent or the United States. There are many reasons for welcoming this innovation. It is now generally agreed that the breach between general and psychological medicine is neither practically wise nor scientifically justified. This breach may have been produced in the past by considerations of expediency —it was thought wiser, for example, to move the "chronic lunatics" originally provided for in the will of Thomas Guy to another district and another establishment altogether—but recent advances in knowledge, including the recognition that outspoken insanity is only a fraction of the field of mental illness, has made such considerations of minor importance. The new clinic is to consist of 42 beds in addition to the 5 beds in the general wards at present allotted to psychological illness. It will be subdivided so as to enable mental illness of all kinds and degrees, including psychoneuroses, psychopathies and psychoses short of certifiability, to be accommodated. A considerable step will have been taken in this way towards breaking down the public dislike of mental illness by enabling such patients to be admitted and treated in a general hospital.

The clinic comes at a time when the treatment of the severer forms of mental illness has become much more active and has taken a form for which the facilities available for physical examination and control at a general hospital are particularly appropriate. Moreover, the importance of early treatment by the newer methods makes early admission still more necessary, and the public are more likely to agree to their mentally ill relatives receiving treatment at the earliest possible moment if it is to be given in a general hospital. The advantages to medical education of such a clinic fortunately coincide with the advantages to the patient and the public. It should do much to focus the interest of the student on this branch of medicine, since he will find suitable material close at hand throughout his clinical years. The staff of the clinic should be a valuable addition to the teaching strength of the hospital, and should make it possible to extend the teaching of the psychological aspects of general disease in the medical and surgical wards. The staff themselves will benefit from constantly rubbing shoulders with colleagues in other branches of medicine, so that the commonly levelled charge of the isolation of psychiatry from general medicine will lose any validity it may have. On the other hand, contact with the clinic should enable the rest of the hospital staff as well as the students to develop an intimacy with this aspect of medicine which cannot fail to be useful in their everyday practice. Further, "as iron sharpeneth iron, so a man sharpeneth the countenance of his friend," and the presence of a complete psychiatric clinic cheek by jowl with the other departments of a great teaching hospital should provide the stimulus to research that comes only from the mutual contact of diverse branches of scientific inquiry.

ASPIRATION BIOPSY OF THE LIVER

THERE are few organs left in the body which are safe from the eye of a clinician looking down a "scope," or whose tissue may not be drawn up in a syringe and examined microscopically. Cysts and abscesses of the liver have been aspirated for over a hundred years, but in 1923 Bingel[1] reported the results of exploratory puncture of the solid portion of that organ as a diagnostic aid. Since then a number of other writers have described its use, and a recent paper by Baron[2] from the Mount Sinai Hospital justifies an assessment of its value. The technique seemed simple. A preliminary hypnotic is given, because the operation is painful even with local anæsthesia. A 20 c.cm. Record syringe with a 9 cm. No. 13 gauge needle is employed, and after anæsthetising the skin and making a small incision the needle is inserted to the right of the epigastrium below the costal margin and directed upwards and laterally; when the liver is reached constant suction is maintained in order to obtain a core of liver tissue, and after the needle has been withdrawn its contents are placed in fixative and sections prepared.

Baron describes 35 cases of suspected hepatic metastases, cirrhosis, or catarrhal and chronic jaundice in which the operation was used to assist diagnosis. In the 16 cases of suspected carcinoma biopsy produced neoplastic tissue in 9 and normal liver tissue in 5; at laparotomy 3 of the latter were found to have metastases, but the other 2 were free from growth. From 1 of the 2 non-malignant cases in this group clear yellow fluid was obtained which led to a diagnosis of congenital cystic disease, and a pyelogram showed a similar change in the kidneys. In the other blood welled into the syringe used for anæsthetising the peritoneum; a hæmangeioma was

1. Bingel, A., *Verh. dtsch. Ges. inn. Med.* 1923, **35**, 210.
2. Baron, E., *Arch. intern. Med.* February, 1939, p. 276.

suspected and was confirmed at operation. A diagnosis of cirrhosis was made in 5 cases; in 2 of these the aspiration of carcinomatous tissue proved the diagnosis wrong, but in the other 3 normal liver tissue was reported, though subsequent post-mortem examination revealed a cirrhosis. In 8 cases of chronic jaundice the biopsy provided evidence of biliary obstruction but did not materially assist the diagnosis; of 4 cases of catarrhal jaundice 3 showed little abnormality, but in the fourth a granuloma around a schistosoma ovum was obtained and the ova were subsequently obtained in the fæces. Of these 35 cases, therefore, the information obtained was of real value and corrected the clinical diagnosis in 7; in 5 the findings were incorrect; in 9 the clinical diagnosis was confirmed; and in 13 the biopsy was of no material assistance.

The dangers of this procedure must be borne in mind. Nearly 300 aspiration biopsies have been described and there have been 6 deaths, 5 being due to hæmorrhage and 1 to peritonitis. Baron described 1 case in which the colon was punctured and a portion of mucosa aspirated into the syringe, but at operation three days later there was no leak or peritoneal reaction. A further danger not mentioned by Baron but described by Kettle[3] is the implantation of malignant tissue in the track of the needle. A diagnostic procedure with a mortality of over 2 per cent., in which the information obtained is of real value in only 20 per cent. and incorrect in 14 per cent. of cases, does not seem to be a valuable addition to the clinician's armamentarium, and there is little doubt that laparoscopy, which has been advocated and used extensively by Ruddock,[4] would give far more information with a negligible risk.

NATURAL SCIENCE AT DUNDEE

THE British Association for the Advancement of Science will meet this year at Dundee from Aug. 30 to Sept. 6. The meeting is always a stimulus to the intellectual life of the community in which it is held and contrariwise takes some of its tone from the character of the meeting place. Dundee is this year celebrating its civic jubilee. It has twice before been the association's host, once in 1867 when the Duke of Buccleuch, F.R.S., presided, and again in 1912, when Sharpey Schafer presided and a citizen made the occasion memorable by giving £11,000 towards a fund for scientific research. Although Boswell passed through the burgh without finding anything remarkable, it has often shown both political and commercial enterprise. Famous wooden ships, among them the *Forfarshire* and the *Discovery*, were built on its stocks, while flax and jute have played an alternating rôle in its prosperity. This year Sir Albert Seward, F.R.S., is president and will deliver an address on the Western Isles through the Mists of Ages. Sectional presidents have chosen subjects as follows: chemistry, Prof. E. K. Rideal, F.R.S., film reactions as a new approach to biology; zoology, Prof. James Ritchie, D.Sc., perspectives in evolution; anthropology, Prof. W. E. Le Gros Clark, F.R.S., the scope and limitations of physical anthropology; physiology, Prof. David Burns, D.Sc., the assessment of physical fitness. The division for the social and international relations of science, which was founded at the Cambridge meeting last year, will hold discussions on the coördination of scientific research, on population and on nutrition; on the Sunday evening its chairman, Sir Richard Gregory, F.R.S., will give a public lecture on science and social ethics. Subjects for discussion in the sections include tissue respiration, air-conditioning, nutrition and physique, and the teaching of anthropology. The section of physiology will devote a whole-day session at St. Andrews to the problem of pain. Mr. Isaiah Bowman, D.Sc., president of Johns Hopkins University, representing the American Association for the Advancement of Science, will deliver an address on Sept. 5. In October the association will publish the first number of a new quarterly periodical entitled the *Advancement of Science*, which is to take the place of its annual report. At the moment only about a quarter of those who attend its meetings are members of the association. This should be remedied. Applications for membership may be addressed to the secretary of the association at Burlington House, Piccadilly, London, W.1.

A REGULATOR OF METABOLISM

IN a Cameron lecture delivered at Edinburgh last June Prof. J. B. Collip, F.R.S., gave a preliminary account of a new pituitary hormone, isolated in his laboratory at Montreal, which has a specific action on the basal metabolic rate.[1] This principle (designated No. 622) can be extracted from all parts of the pituitary, but particularly from pituitary colloid and the pars intermedia.[2] Its chief property is the power to raise the basal metabolic rate immediately after its injection, at the same time lowering the respiratory quotient. The fall in R.Q. is mainly but not wholly attributable to increased metabolism of fat, and it is suggested that there is a concurrent increase in gluconeogenesis and diminution in carbohydrate metabolism. From the other pituitary principles the new principle differs in its greater stability to heat, alkali and pepsin. These properties serve to distinguish it from growth hormone and it can also be readily separated from gonadotropic and adrenotropic principles; moreover it acts on animals after hypophysectomy or adrenalectomy.[3] Of the other pituitary hormones, oxytocin and vasopressin in pure form do not stimulate metabolism, and thyrotropic hormone, though it has the same metabolic action, is quite distinct from the new principle, which exerts its maximal effect 3–5 hours after injection, whereas thyrotropic hormone has a latent period of 4–5 days. The metabolism-stimulating principle acts in the thyroidectomised animal, and if it is injected daily for a long time the treated animal develops no such resistance as would develop with injections of thyrotropic hormone. No. 622 has not yet, however, been separated from the melanophore-expanding principle; any potent preparation of one of them contains large amounts of the other, and their relative amounts in different parts of the pituitary are similar. Their chemical properties are also similar and they may well be identical.

About the normal rôle of the new principle in the body little is at present known, but changes have been observed in the respiratory quotient and in the metabolism of the primary foodstuffs in hypophysectomised animals and those treated with pituitary extracts. Rabinowitch, Mountford, O'Donovan and Collip,[4] in testing the preparation in human beings, have found that the results of animal experiments

3. Kettle, E. H., Pathology of Tumours, London, 1925, p. 26.
4. Ruddock, J. C., *Surg. Gynec. Obstet.* 1937, **65**, 623.

1. See *Lancet*, 1938, **1**, 1454, 1469.
2. O'Donovan, D. K., and Collip, J. B., *Endocrinology*, 1938, **23**, 718.
3. Billingsley, L. W., O'Donovan, and Collip, *Ibid*, 1939, **24**, 63.
4. Rabinowitch, I. M., Mountford, M., O'Donovan, and Collip, *Canad. med. Ass. J.* February, 1939, p. 105.

could be duplicated. The diminution in the respiratory quotient was striking and the increase in respiratory quotient following ingestion of glucose could be much diminished by simultaneous injection of the 622. The possible uses of the new preparation in the treatment of obesity and other conditions in which an increased metabolic rate would be advantageous are being investigated. Certainly a preparation with a quick and physiological action of this kind would be welcome.

THE CROYDON TYPHOID CLAIMS

IT was reported last week that 70 of the 230 claims against the Croydon corporation in respect of the typhoid epidemic at the end of 1937 have now been settled; 7 of these are said to be related to fatal cases. It appears that some 70 or 80 claims received by the corporation were sent in too late; for under the Public Authorities Protection Act claims against a public authority must be made within six months of the act, neglect or default complained of. The Croydon town council has already decided by an overwhelming majority to pay compensation in these cases which are out of time, and for this purpose a clause has been included in a bill now before Parliament. No payment can be made until the bill receives the Royal Assent—probably just before Parliament rises for the autumn vacation in August.

VITAMIN E

FROM being the most dubious of the vitamins, vitamin E has emerged into being a well-defined substance. Its properties are becoming well known and it may soon achieve the distinction of an international standard and unit. On April 22 it was the sole subject of discussion at a whole-day conference held at the London School of Hygiene and Tropical Medicine, and organised by the nutrition panel of the food group of the Society of Chemistry and Industry. The morning session was devoted to the chemistry of the vitamin and provided probably the most interesting discussion and the most exact information. The chief topic of general interest was the correlation between chemical structure and specificity of biological action. It was made clear that biological action is not confined to one isomer or even to the one substance, but that the tocopherol molecule could be subjected to some degree of substitution without losing all biological activity, though with certain substituents in certain positions this activity is intensified. The outcome of studies on this subject, as summarised by the chairman, Prof. A. R. Todd, seems to be that as in some of the sex hormones there is a narrow specificity but a possibility of action by a wide group of unrelated substances. At the afternoon session most of the communications turned on whether or not vitamin E is related to the hormones. No overwhelmingly convincing evidence was adduced, for or against a relation, nor did the protagonists on either side succeed in convincing their opponents or the neutral observers. Interesting work from America by Dr. Karl Mason tended to show how small is the transfer of vitamin E from the mother rat to her young, either by way of the placenta or the milk, though some transfer was found to take place in the milk. An excellent film demonstrating the peculiar head and leg movement of young rats deprived of vitamin E was shown by Dr. H. M. Wüest of Basle. In the evening the clinical applications of vitamin E in human beings were under discussion. All the clinical work in which vitamin E has been used in treatment of habitual and threatened abortion is based on belief in a close relation between vitamin E and the sex hormones. A number of clinicians have recorded successful results, usually in 70 or 80 per cent. of the women treated for one or other of these conditions, and encouraging reports were presented to the meeting from Dr. Vogt-Möller of Copenhagen, Dr. E. V. Shute of Toronto, Mr. D. W. Currie of Leeds and Dr. C. R. Macdonald of Sheffield. It is recognised however that the assessment of such clinical results is full of pitfalls. It is difficult to obtain accurate and reliable case-histories of habitual abortion, or to define threatened abortion. Moreover, to obtain reliable figures very large numbers of cases are needed for study, with an equal number of comparable untreated controls. In his summing-up, Prof. F. J. Browne, who presided at this third session, was at particular pains to emphasise these points.

Those who remained at the conference throughout the day, as most did, must have left with the feeling that they had surveyed the field in excellent company, and carried away a well-balanced idea of the subject

TEMPERATURE MEASUREMENT IN ARTIFICIAL PYREXIA

ALTHOUGH it is generally taken for granted that the rectal temperature gives the most exact estimate of the temperature of the body, it is also recognised that in the ordinary course of practice a compromise with accuracy is permissible. Most doctors use either the mouth or the axillary temperature, which, provided the usual precautions have been observed, will differ from the rectal temperature by a constant amount. It is doubtful, however, if the practitioner ever performs this bit of mental arithmetic. He knows from experience what the thermometer reading means when he "takes the patient's temperature" by his own method, and it is of little interest to him or to the patient whether or not it has any precise scientific meaning. The position is different during treatment by artificial pyrexia, in which the patient's temperature is forcibly raised against the resistance of all his compensatory mechanisms. Here a casual record of how the patient is getting on is insufficient, for his life has been taken entirely out of the control of nature and lies in the hands of his attendants. The temperature of the cells of his body must not exceed a certain limit, and it is important that such record as is kept should indicate his maximum temperature, or bear an infallible relation to it. It must be remembered that all the physiological mechanisms for reducing temperature are at the highest pitch of activity, and although the heating process overcomes them and prevents any general lowering of the body temperature, they may well set up a local lag peripherally in the heating process. Mouth temperature has very grave deficiencies as a criterion, and there is much to be said for some apparatus giving a continuous record. The patient's temperature may rise for a time after withdrawal of the actual heat owing to the abnormal stimulus to cell metabolism, and in order to predict the course of his pyrexia after such withdrawal a continuous record of his temperature for comparison with standard curves would seem advisable. The use of a pyrometer in the rectum would fulfil the necessary conditions, and could be read at frequent regular intervals without disturbing the patient. Neymann and Osborne [1] investigated the temperature of various parts of the body during treatment with several methods of artificial pyrexia, and their records are

1. Neymann, C. A., and Osborne, S. L., *Amer. J. Syph.* 1934, **18**, 28.

well worth studying. In a case treated by diathermy the temperature of the subcutaneous tissues of the thigh was practically never within two degrees of the rectal temperature, and at one period was six degrees lower.

THE BUDGET

IN his broadcast on Tuesday evening Sir John Simon remarked that there are no good taxes. The additional burden he was proposing he described as the price of liberty and security; including loans the defence expenditure will this year represent £13 a head of the population, and it was fair to ask all kinds of citizens to contribute. Of the new taxes imposed, which are briefly set out in our Parliamentary Intelligence, the increased horse-power duty on motor-cars will fall somewhat heavily on the medical practitioner, since it means an average extra expenditure of perhaps £6–7 a year on cars which, though nominally private, are as much a part of his business as any tradesman's. An increase in income-tax, however, might well have hit him more; for he would feel it not only directly but also indirectly through his patients. Doctors would be the first to support the optimistic suggestion of the member for Greenock who on the eve of the Budget asked the Chancellor to allow the wage-earner to deduct medical fees and expenses from his assessment. They will see less justice in the release from stamp-duty of patent medicines, which will, at all events for a time, be marketed at every kind of store, no licence being now required. Whatever its fiscal convenience, this is socially and medically a retrograde step.

CEREBRAL DEFECTS AND CÆSAREAN SECTION

IN a school for mental defectives in Helsingfors Brander[1] discovered three children who had been born by cæsarean section, and he was impressed by the fact that although this operation is often performed to prevent damage to the baby, it seemed possible from their records that there had in fact been some cerebral injury in each of these three cases. He found further that the proportion of children born by cæsarean section was about the same in comparable groups in the ordinary schools and in the school for mental defectives. A search of the literature revealed over 70 examples of intracranial lesions found post mortem in babies who had been delivered by cæsarean section. Brander attempts to dispose of the possibility that babies developing cerebral defects after cæsarean section would have developed them in any case owing to inborn errors in the development of the brain, but without more post-mortem evidence this point must remain doubtful. He divides the risks of cæsarean section to the baby into three groups. First, those operating before birth, such as disorders of pregnancy and long drawn out or very severe labour, particularly when associated with a narrow pelvis, an abnormal position and a well-engaged head. Secondly, those related to the actual operation. The method of extracting the baby seems to be of some importance, and extraction by foot was common in the fatal cases. The use of forceps in extracting the head also seems to add to the risk, as do the operative difficulties arising from carrying the incision through the placenta. Thirdly come the dangers to which the baby is equally exposed whether born by the natural route or by abdominal section—for example, prematurity, the hæmorrhagic diathesis, and some forms of asphyxia. Brander advises careful consideration in the choice of anæsthetic, and quotes some authorities who advocate local anæsthesia as a safer method. It is clear from his summary of the literature that complications were present in most of the cases that proved fatal for the baby, and that the complications were not always foreseen. Perhaps more could be done from the point of view of prevention if it were more generally realised that the cæsarean operation is not without risks to the baby.

1. Brander, T., *Acta pediatr. Stockh.* 1938, **23** 145.

LADY ABERDEEN

IT has been well said of the Dowager Marchioness of Aberdeen and Temair that she took an intense and motherly interest in the life of every country in which her lot was cast. Our Dublin correspondent tells on another page what this meant to the Irish people. When the Aberdeens first came to Dublin there was no public-health system in Ireland worthy of the name and it was the Vice-reine who founded the Women's National Health Association which initiated every movement for the betterment of women and children and built the first sanatorium in the country. And this was typical of her life wherever it happened to be led. In Canada she founded the Victorian Order of Nurses, in Scotland she was chairman of the committee for women's training and employment, and for untold years she was president of the International Council of Women which was the mother of the health section of the League of Nations. And all along her work in the cause of peace was unceasing; the temple of peace at the Glasgow exhibition was a final expression of it.

ORTHOPÆDICS IN SOUTH AFRICA

IN our issue of Feb. 11 (p. 337) we briefly described a scheme for the orthopædic care of the ten million inhabitants of South Africa, drawn up by Prof. G. R. Girdlestone after a survey made at the request of Lord Nuffield, who has contributed £100,000 as a nucleus. Prof. Girdlestone's scheme was approved by the trustees of the Nuffield fund, including Mr. C. T. te Water, high commissioner for South Africa, before being submitted to the Union government. According to press reports, however, it has now been rejected as too costly. The government think the estimated expenditure of £1,000,000 excessive in view of the other urgent public-health needs of the country, and an alternative scheme, costing about £300,000 and based on two big institutions in Johannesburg and Cape Town, is said to be under consideration.

Major-General R. W. D. LESLIE has been appointed honorary physician to the King, and Major-General A. D. FRASER honorary surgeon to the King, in succession to Major-General G. A. D. Harvey and Major-General H. H. A. Emerson who have retired.

In the forthcoming senatorial election for London University Sir ERNEST GRAHAM-LITTLE, M.P., again offers himself as representative of the graduates in medicine. He is opposed by Mr. L. VERNON CARGILL. Prof. M. GREENWOOD, F.R.S., is standing for re-election by the graduates in science.

On the nomination of the presidents of the Royal Colleges of Physicians and Surgeons the Minister of Health has appointed as additional consultant advisers on the organisation of hospitals in England and Wales in war-time Mr. W. KELSEY FRY (dental surgery with special reference to jaw injuries) and Mr. H. A. T. FAIRBANK (orthopædic surgery).

SPECIAL ARTICLES

MEDICINE AND THE LAW

Tuberculosis Not an Accident of Employment

Miss Savage, a state-registered nurse formerly at the London County Council hospital at Bethnal Green, has lost a claim against the council under the Workmen's Compensation Act in respect of tuberculosis contracted by her in the course of her nursing. She had worked in the tuberculosis ward for 16 weeks, and, by way of fixing the date of infection, she spoke of an occasion on Dec. 26, 1937, when a patient coughed in her face. His honour Judge Lilley at the Shoreditch county court rejected the claim with regret. He thought that Miss Savage would never have contracted the disease if she had not gone to the consumptive ward. He did not, however, regard the coughing of a patient as an abnormal incident amounting to an accident within the meaning of the act. The mere opportunity of infection in the course of employment was not enough to establish the applicant's right to compensation. The Court of Appeal and House of Lords had repeatedly uttered warnings that the mere fact of contracting a disease was not a ground for finding that there had been an accident within the Workmen's Compensation Act. Judge Lilley emphasised that tuberculosis had not been scheduled as an industrial disease under the act. He therefore felt obliged to decide against Miss Savage. A stay of execution was granted in order that her advisers might consider the question of appealing. The conception of an "accident" within the meaning of the act necessarily involving some element of surprise or unusualness (an "abnormal incident") raises interesting legal arguments. If it were established that on a specific occasion particles of infected sputum from a tuberculous patient alighted on the nurse's face and that the infection could thus be transmitted, there would seem to be the makings of an "accident" even though nurses in a tuberculosis ward are perfectly aware that patients are likely to cough. In Brintons Ltd. *v.* Turvey (1905) the flying of an anthrax bacillus out of some wool which a workman was sorting into the workman's eye at a time which could be approximately fixed was held a sufficient "accident" of his employment. The decision in Martin *v.* Manchester Corporation (1912), where a fever-hospital attendant contracted fever, has been reinforced recently in another case where a nurse in an infectious diseases hospital caught one of the infectious diseases to which the risks of her work exposed her. The appeal in Miss Savage's case should therefore produce an interesting review of the law.

Adjourned Inquests and Criminal Proceedings

A Salisbury correspondent, contributing notes from the provinces to a weekly legal journal, mentions a "difficult point of coroner's practice" as having lately occurred in Wiltshire. A death followed a motoring accident. The coroner adjourned his inquest since proceedings for manslaughter were being taken against the motorist. At the police-court the motorist pleaded guilty to the secondary charge of dangerous driving, and thereupon the manslaughter charge was withdrawn. The coroner closed the inquest and the matter ended. The correspondent remarks that this was believed to have been the first case of its kind.

Under section 20 of the Coroners (Amendment) Act, 1926, the coroner may, after the conclusion of the criminal proceedings, resume the adjourned inquest "if he is of opinion that there is sufficient cause to do so." There is, however, a proviso that, if in the course of the criminal proceedings anyone has been charged on indictment, then the resumed inquest must not result in charging him with an offence on which he could have been convicted on the indictment, nor must it result in any finding inconsistent with the determinations reached in the criminal proceedings. This proviso preserves the common-law principle that a man cannot be put in peril twice for the same offence. The charge of manslaughter having been dropped in the Wiltshire case at the police-court proceedings the coroner's resumed inquest could not have resulted in the committal of the motorist for manslaughter. What is "sufficient cause" for resuming an adjourned inquest? Jervis on Coroners suggests, by way of answer to this question, that a coroner might properly proceed if he thought that magistrates had refused to commit through lack of sufficient evidence or for some possibly political motive. "In all street accidents," adds the editor, "the coroner should certainly complete his inquiry."

In the Wiltshire case the criminal proceedings resulted in conviction for a minor offence. It is not unusual for a coroner to find that the police decline to take any proceedings at all. If in these circumstances the coroner's inquisition sends the motorist for trial, the coroner's action is often frustrated by prosecuting counsel offering no evidence at the assizes, thus making inevitable a formal verdict of "not guilty." But occasionally the coroner is justified. Not long ago at Manchester assizes the prosecution was disposed to offer no evidence on a coroner's committal when Mr. Justice Wrottesley insisted on the case being opened and the witnesses called. The judge had presumably studied the depositions taken at the inquest and had come to the conclusion that there was a case for the accused to answer. The accused was eventually acquitted; but the coroner's court had once more, in the words of Jervis, usefully provided "a collateral security against crime."

PARIS

(FROM OUR OWN CORRESPONDENT)

SAFETY—NATIONAL AND PERSONAL

How much more A.R.P.-minded we are now than we were last September! Then the crisis developed so suddenly that the civilians, at any rate, had hardly become accustomed to the thought of air-raids when the doctrine of appeasement overtook us like a whiff of chloroform and we forgot A.R.P. as quickly as possible. Now, with the international temperature rising steadily, not with a jerky peak, we are taking a more sustained and practical interest in protection. The notices issued by the Government in March, 1938, and again in February of this year have begun to take effect, and the communities with the most enterprising leaders have already translated these notices into acts. An excellent example has been set by the town of Colombes, a suburb of Paris, whose A.R.P. scheme was solemnly inaugurated early in April. The mayor and municipality have risen

well to the occasion and put at the service of the organisers of the Colombes scheme a building and grounds which will henceforth serve as a central school of A.R.P. The citizens of Colombes of both sexes and every age can now turn to it for inspiration and training. Here provision is made for every student of A.R.P., from the fervent devotee ready to put in the regulation 72 hours a year to the more casual spectator who can pick up tips on how to organise a family shelter.

Between June 11 and 18 of this year l'Œuvre pour la Sécurité et l'Organisation des Secours will organise in Paris a national safety week under government patronage. The topics to be treated fall into three main categories: (1) protection against fire, voluntary evacuation, attacks from the air, extinction of lights, measures against bombardment, gas defence and medical aid; (2) transport problems affecting travel by road, rail, water, and air (including even the modest bicycle); and (3) various aspects of public health.

THE SPANISH REFUGEES

Now that the problem of the Spanish refugees has ceased to be so acute, it is possible to study it in better perspective. By their extravagant contradictions the figures originally published were illustrative of the chaos existing when the human dam burst and the counting of heads and even of units became quite impossible. Now, thanks to a detailed report by Dr. Cavaillon and Dr. Leclainche of the French ministry of public health, we know that approximately 200,000 able-bodied militiamen and some 12,000 wounded, and about 160,000 civilians of both sexes and all ages flowed over into France in successive waves. The inclemency of the weather, the shortage of food and clothing, and the lack of adequate housing accommodation, not to mention hospital accommodation, strained the resources of the French military and civil authorities to breaking point. Terrible hardships were inevitable. But it says much for the care given to the wounded that the deaths among them numbered only 262. While syphilis and gonorrhœa were rare, soft sore was so common that it was found in about 25 per cent. of the militiamen—an amazingly high rate more illustrative of the human misery overwhelming this community than any word-picture. But such epidemic diseases as influenza, measles, diphtheria, whooping-cough, and cerebro-spinal fever did not inflict the anticipated ravages, and it was ultimately possible to provide the necessary hospital accommodation for most of the serious cases of infectious disease. A reference in this report to the British Red Cross and its representative voices the appreciation of the French authorities for the aid coming from this quarter.

IRELAND

(FROM OUR OWN CORRESPONDENT)

ISHBEL, LADY ABERDEEN

NOWHERE has the news of the death of the Dowager Marchioness of Aberdeen and Temair caused greater regret than in Ireland, with which she had close ties for more than fifty years. In the middle 'eighties of the last century Lord Aberdeen was Viceroy of Ireland for a short period, and Lady Aberdeen, who was proud of the Irish blood she inherited through her mother, interested herself actively in the promotion of Irish industries. She founded an association to make them better known and kept in close touch with it during the years that intervened between her husband's first and second viceroyalty which came some twenty years later. On her return to Dublin she turned her attention to health, and in the first instance took up the subject of tuberculosis. At that time—now more than thirty years ago—there was in this country no public-health system worth the name; tuberculosis was rampant, as were also the acute infective fevers, and there was little public interest in matters concerning health. Gathering a group of enthusiasts around her, of whom the late Sir William John Thompson was one, she inaugurated a popular campaign against tuberculosis. She founded an association—the Women's National Health Association—to organise the campaign, and she toured the country lecturing in every county and founding branches of the association everywhere. She succeeded by sheer energy in rousing interest in the public and, perhaps even a more difficult task, forced the reactionary Local Government Board—the central authority in health affairs—into activity. When, a few years later, the coming into force of the first National Health Insurance Act provided a means of financing, at any rate in part, the establishment of sanatoriums, her campaign had already educated the public mind and in particular the minds of the local authorities into recognising the need for action. Her own organisation set an example by establishing the Peamount Sanatorium in co. Dublin, which still carries on its good work under the same auspices. Having set the country hard at work against tuberculosis, Lady Aberdeen directed her activities to the health of infants. She established numbers of "baby clubs" in the poorer districts of the larger towns, where mothers received instruction in the care of children. Many of these clubs still carry on their good work after their early "members" have become men and women.

The outbreak of the Great War made further calls on Lady Aberdeen. She immediately organised a City of Dublin branch of the British Red Cross Society, under the auspices of which hundreds of young women fitted themselves for V.A.D. duty at home and overseas. The principal activity of the branch was, however, the establishment of a red-cross hospital in Dublin Castle. Opened in 1915, it was staffed by members of the honorary staffs of the Dublin hospitals and was working without interruption until the early months of 1919.

In 1909, when the British Medical Association held its annual meeting in Belfast, it elected the Countess of Aberdeen an honorary member, the only instance of such an honour being conferred on a woman.

Lady Aberdeen's work in and for Ireland was not easy. The opposition she had to meet was sometimes based merely on the ignorance of prejudice but sometimes on political dislike. Her friends were not always wisely chosen, for she was not always able to distinguish those who were willing to attach themselves to an organisation under the patronage of the wife of the viceroy from those really interested in humanitarian work. Nevertheless, her boundless energy and patience succeeded, and to her is largely due the modern development of public-health work in Ireland. The departure of Lord Aberdeen and herself from Ireland did not put an end to her interest in the various activities she had started. She retained a flat in Dublin for her personal use and paid visits at frequent intervals. She always presided at the annual meeting of the Women's National Health Association, and was to have done so next week.

GRAINS AND SCRUPLES

Under this heading appear week by week the unfettered thoughts of doctors in various occupations. Each contributor is responsible for the section for a month; his name can be seen later in the half-yearly index

FROM AN ONLOOKER

V

IN this fifth week of April I greet you again, my Patient Reader, and will tell you what should be done about everything. In the first place—

READER—May I interrupt? It has been a confusing month, in more ways than one. But I must say the impression left on me by your opinions is that they lead nowhere at all.

AUTHOR—Pray explain.

READER—One week you told us, at some length, that competitive private practice for fees is all wrong; but next week you said you still wanted everyone to have a family doctor. Then you pointed out that practitioners must work with (and perhaps in) hospitals; but just as I was expecting you to declare for a well-organised state medical service you announced that medicine must keep clear of the government. Whatever *do* you want?

AUTHOR—I want the best of all the various worlds. I want the patient to have a personal service for himself and a scientific service for his diseases, and I want to be sure that both of them are working solely for his benefit. I want his family doctor to be a friend in need, and not also a friend in need of his money; a professional man, not a business man. I want his doctor to be his *own* doctor, fully and continuously responsible to him. I want the patient to go to hospitals which (like the voluntary hospitals of today) are conducted on his behalf, and not on behalf of his employer or his government. I want him to remain a patient and not become a sick workman or a sick citizen.

* * *

READER—Well, we've got panel doctors and voluntary hospitals already. Aren't you satisfied? Why do you want to reorganise things?

AUTHOR—Hasn't it ever struck you that almost everyone in the profession is demanding reorganisation? That almost everyone is demanding a state medical service? No, I know very few of them would admit it; doctors in general have no use for socialism or any nonsense of that sort. But if you look round you'll see every kind of specialist asking for state intervention to secure proper help for the particular people he has to treat. The orthopædist demands state provision for cripples; the otologist demands clinics for children with otorrhœa; the physician demands clinics for rheumatism, rest homes for heart disease, and free serum for pneumonia; the tuberculosis specialist has his schemes of supervision, the gynæcologist his maternity services, the immunologist his proposals for inoculation; the cancer specialist devises official machinery for securing early treatment; the oculist, the dentist, and the psychiatrist are all of them anxious to catch their patient young. On any front of medicine it jumps to the eyes that our failures are largely failures of organisation. And anyone who looks at the whole battlefield must see that arrangements for medical care have simply got to be rationalised—to be made less complex and more effective.

READER—Then you really do want a state medical service after all?

AUTHOR—No; I want its advantages without its disadvantages. I see two disadvantages. First, the function of medicine—the care of the individual—differs profoundly from the function of government, and the relation of the state officer to the citizen is less intimate, and less useful for most medical purposes, than the relation of the doctor to his own patient. Secondly, central administration of a single enormous medical service would paralyse initiative and tie everyone up in red tape.

READER—And the right solution is?

AUTHOR—The solution is regional medical services, with a high degree of autonomy, integrated through a National Medical Corporation. I am not sure just how large the regions should be, but I think the germ of them is to be found in the local boards in Oxford, Manchester and other areas which are trying to coördinate the work of the municipal and voluntary hospitals. My regions would include not only the hospitals but also the catchment areas from which they draw their patients.

READER—Your idea is, I take it, that the National Medical Corporation would replace the Ministry of Health, and the regional services would replace the local health authorities?

AUTHOR—Not altogether. Part of the Ministry is, and must remain, a necessary department of government, responsible for any coercive measures required in the interest of the community, such as regulations about inoculation or eugenic sterilisation. The regional services and corporation would have to obey orders in these matters, like anybody else. Though the services and the corporation would undertake much of what is now called preventive medicine, the Ministry of Health and local authorities would keep the responsibility for all forms of environmental hygiene involving compulsion; they could lay down, for instance, what action would be taken by the regional service in a district attacked by an epidemic. But the medical officer of health—who might now become a peripheral officer of the Ministry—would not, as nowadays, be in charge of his area's medical service; which would, as a matter of fact, take over much of his work. Not only would the regional service control the general hospitals and tuberculosis dispensaries, but it would also be responsible for V.D. clinics, maternity and child welfare, and most (if not all) of the hospitals for infectious diseases and mental disorder. Doctors of the regional service would not themselves certify that insane or infectious patients require detention; but I don't see why they should not treat patients whom the governing and legal authorities have certified as needing confinement.

READER—Aren't you splitting hairs over this question of coercive powers?

AUTHOR—I don't think so. If medicine is to be practised through highly organised machines I think it really matters that they should not assume greater power over the patient than a private doctor or a voluntary hospital has today. If he is to be incarcerated, or vaccinated, or sterilised, or have his adenoids out, willy nilly, the order must be made by government officials—legal, medical, or preferably both. A medical service must take great pains

not to grow into an apparently omnipotent body feared by the public and held to have interests different from theirs. You may have noticed that laymen already feel no particular enthusiasm for our innocent professional organisations, and this should be warning enough.

* * *

READER—Excuse me: my attention was wandering. . . . Perhaps you will tell me where your family doctor comes into the picture?

AUTHOR—Our two aims are to offer personal care and scientific care. The regional services should, I suggest, make a clear distinction between their individualist practitioners on the one hand and their team-workers on the other; and should regulate their work through separate committees. The team-workers—i.e., in hospitals and elsewhere—would all be paid by salary; but it would be best, for the present at least, to pay the individualist family practitioner by capitation fees, provided he never has more patients than he can attend efficiently and provided supplementary or alternative work is readily available if he does not go down very well with the public. Contributions by patients for the specific purpose of securing a doctor would help to make them feel that the one they select is their own doctor, from whom they may expect personal service, as the private patient does today.

READER—Assuming all this theory is all right, how could any of it happen?

AUTHOR—If the B.M.A. has its way, and national health insurance is extended to dependants, about four-fifths of the population will come under the act, instead of the present two-fifths. The next step would be to raise the income limit by stages—those in the higher groups making correspondingly larger contributions—till everyone in the country is compulsorily insured. The insurance scheme will always be defective until it is considered natural for everyone, rich or poor, to be "on the panel"—until it becomes foolish to say: "Oh, doctor, would you please treat me as a private patient." Meanwhile the administration of medical benefit could be transferred from the insurance committee to the regional medical service, which would then offer panel doctors accommodation at its hospitals and health centres and encourage their coöperation with the staffs of these units. It could also encourage them to coöperate with one another, so that all could have holidays and study leave and time for keeping fit. Private practitioners would be attracted to panel work not only by these amenities but by the provision of secretarial and other technical assistance, and above all by the possibility of doing good work in collaboration with an efficient group. I think their right to practise privately in addition would ultimately have to be abolished, because no substantial increase in the capitation fee can be made until the doctor limits himself to a known number of patients. On the other hand it would be to the interest of the regional medical service to make conditions more (not less) pleasant than those of private practice today; for its family doctors it would require men and women permanently established and capable of meeting the specialist on equal terms. There should be the least possible interference with their independence; and I don't see why the capitation fee should not rise with age and experience.

READER—Your talk about larger capitation fees is a bit unrealistic. So far we've failed to get another penny.

AUTHOR—There'd be more money if the rich were on the panel. What is possibly more necessary, however, is a change in the health-insurance scheme by which contributions would be devoted solely to the provision of an adequately paid doctor, for each contributor and his family, who would be able to give them as much attention as is useful, both in health and disease. The attempt to make insurance contributions look as though they support a complete medical service endangers the quality of the more elementary care that is primarily offered. Under the B.M.A. scheme the worker's contributions give him a right to nearly all medical services except hospital care; and with all respect to the B.M.A. I think this may be a mistake. The family doctor may be starved at the expense of other services, and by making insurance bear a load beyond its strength they are hastening the day when the insurance principle will be found to have no real meaning and will be discarded in favour of taxation. Whereas it really *has* a useful function—namely, to make the patient feel that he is employing the practitioner of his choice. My own impression is that those who are convinced of the value of personal care would do well to concentrate, for the time being, on the improvement of the panel doctor's work—which means fewer patients and larger capitation fees.

* * *

READER—Then tell me, very briefly, how the rest of the medical services could be financed.

AUTHOR—Well, there's charity. The time is passing when hospitals can be maintained by donations and subscriptions; but money for buildings might very well be collected, I think, by a neighbourhood proud of its regional service and anxious to raise it above the standard of the rest of the country. Then there are the voluntary contributory schemes. I would have the regional services accept contributions from those willing to insure against hospital and other costs, and they could continue to charge the patient for specialist advice and hospital care when he can afford to pay. But this is really an interim policy, lasting only until the nation is educated up to payment for all medical services—except perhaps for the family doctor—out of taxation. The ruling principle should be that the sums demanded are never such as to deter the patient from seeking the help he needs. An immense number of people should, from the start, pay nothing at all; and it will not be very long before the public realises the convenience of making the state pay for the treatment of every kind of disabling illness, just as it now pays for tuberculosis, infectious diseases, venereal diseases, mental disorder and crime. Like Prof. J. S. B. Stopford, I look forward to a specific health tax, raised (like income-tax) according to capacity to pay, and I would hand it over to the extragovernmental National Medical Corporation for distribution to the regional services according to the number and nature of the population and the institutions under their care. National taxation is fairer than local taxation because the poorest areas are often the ones that ought to be spending most money. "To each according to his needs; from each according to his means" is the traditional principle for financing medical care, and in a progressive society taxation will in time supplant all other methods. The public is wasting a great deal of the money it now spends on medicine, and a health tax might be almost popular if it safeguarded everyone against the demands of unexpected illness.

READER—Well, I don't like medical organisations much; but I'm glad at least to hear that you are going to allow the medical profession to manage them itself.

AUTHOR—Good heavens, I'm not. At any rate not in theory. The regional services are to be public services run by the public; and the national corporation will be their federal council. It is quite true, as the Webbs say, that "doctors have always entertained the strongest objection to anything in the nature of service under an Association of Consumers, whether governmental or voluntary." But doctors will have to lump it. You may recall that when national health insurance was first mooted the B.M.A. put up an alternative scheme to be administered by doctors (aided by clerks and auditors and the like) without representation of the community or the patients or any guarantee of adequate efficiency. This idea is partially realised in the present "public medical services" which are self-governing professional units of the same kind. But for a comprehensive national service it is nowadays out of the question: the public never will, and never should, find the money for elaborate medical services and deliver them into the full control of the doctors, nurses, pharmacists and others who work them. Who pays the piper must retain some control over the tune. Nevertheless if the public is wise it will give the maximum of freedom to its servants. There is room for one of those "typically English" compromises: the public's right to call the tune must be recognised by the doctor, in return for an understanding that he may play what he likes.

READER—You mean simply that in technical matters the expert's decision is always final?

AUTHOR—I mean more than that. I mean that where a regional medical service has the luck to secure a man of ideas it should let him go ahead with them; it should not be afraid to give a good man a big grant to spend on his unit or hospital in his own way, as is being done, they say, in Denmark. Those who want to fight red tape, which grows in every office and institution like a weed, must be prepared to keep on cutting it; and the regional services with a reputation for using the scissors freely, and encouraging bright thoughts in all their staff from top to bottom, would secure the best men in medicine. The fact that the control of each service must be vested in a mainly lay committee does not necessarily mean that it would be vested in fools, and I expect a lot from healthy competition between regional services, and between units in those services. Competition for efficiency and new knowledge should flourish when competition for the patient's money has died a belated death.

READER—But, talking about the dangers of central control, what about your National Medical Corporation?

AUTHOR—The unifying corporation, as I see it, would have to be particularly careful to unify only in essentials: in everything else there should be the utmost multiformity and, above all, experiment. For example, some services would appoint a director and some would not; some directors would be laymen and some would not. But a rule from which there should be no exceptions in any service should be that each individual and each unit has as much autonomy as can be devised. The corporation might take as watchword Sir John Tweedy's remark that any change "that restrains the liberty or lessens the responsibility of a medical man, or hampers the free play of his intellectual activities, will be detrimental to the authority and usefulness of medicine." At the same time, each unit is to work as a unit, and this will only happen if every member has a chance of influencing its policy and removing grievances. England has something to learn here from Soviet Russia, with its meetings of all the workers in each institution. The myth of the "born administrator," reigning in detachment from staff and patients, has been exposed by a previous dispenser of Grains and Scruples.

* * *

READER (politely)—It's been very obliging of you to explain all this to me with such passionate armchair eloquence. But I confess I don't like all this regimentation, with patients and doctors both becoming cogs in a machine. I'm afraid you won't find me working for your millennium.

AUTHOR—Well, I'm sorry; but I fancy it's all part of a larger problem. If man is to live in a highly complex society he must constantly coöperate with others and his life must be organised; yet if he is to live at all his life must also be worth living. I'm afraid that if the doctor is to supply the most efficient service he must henceforward work with others more than he does today—must be less of an independent unit. The industrial revolution has at last reached medicine. But even for those who find themselves minor members of a group there will be compensations. If the doctor must accept some control from his colleagues and from those who organise the work he can at least be relieved of the crueller control of anxiety about money. And to give a man the means and opportunity to do the best possible work is in itself to give him a kind of liberty. Personally I don't see why the rationalisation of medicine should necessarily be regrettable; quite the contrary. The municipal hospitals of today are not the pattern for tomorrow, any more than the class of fifty wretched children struggling with a fantastic curriculum in a damp schoolroom is the last word in elementary education. We can see to it, if we like, that the future is better—much better—than the past or present. If we can get rid of the business outlook, the official outlook, the class outlook and the ultrascientific outlook, I can even imagine a time when the profession will be generally regarded with affection, and not (as now) with mingled affection and dislike. Meanwhile I have to announce, with deep thankfulness, that

Next month An Amateur Journalist will be responsible for these columns.

THE LANCET 100 YEARS AGO

April 27, 1839, *p.* 186.

From an article on life insurance.

FOR several years recently past statements of an extraordinary improvement in health and longevity of the English population have been extensively circulated and very generally credited by persons not having the opportunity of weighing the evidence adduced. . . . The erroneous impression propagated was founded upon the fact that the mortality of the total English population, without distinction of age, had diminished nearly 30 per cent. in the thirty years preceding 1820. . . . From observations subsequently made and published four or five years ago, the fact was ascertained, that the diminution in the mortality of the total English population, without distinction of age, was attributable solely to the very great and unexampled diminution in the mortality of children, the mortality of adults not sensibly differing from previous estimates.

LETTERS TO THE EDITOR

BLOOD AND VULCANITE

SIR,—Mr. L. G. Robinson's paper on the need for coöperation between doctor and dentist and your leading article on the same subject are very much to the point and I should like to comment on the problems they raise.

If statistics of toothlessness are not available it is not difficult to obtain numerical evidence of the extent to which extractions are performed. To this end I examined 20 consecutive patients under forty admitted to the general surgical wards of Addenbrooke's Hospital. The results were as follows :—

No teeth ; dentures upper and lower (ages 31, 22, 28, and 31) ..	4 patients
No teeth in upper or lower jaw ; one complete set of dentures upper or lower ..	7 ,,
Gross dental sepsis ; few extractions and no dentures	1 patient
Some teeth in both upper and lower jaws and efficient dentures	1 ,,
Efficient without dentures and no gross dental sepsis	7 patients

Thus 11 out of 20 had a complete set of false teeth in one jaw. Although these figures are too small to be significant by themselves, in my experience they do not give a false impression of the extent to which extraction is performed among the hospital class in at any rate certain sections of the community. These figures also support what might be called the "all or none law" as applied to a certain kind of dentistry—that if more than a few teeth in a jaw are decayed or septic all the teeth in that jaw are taken out, in order that a complete denture may be supplied.

The removal of large numbers of teeth at one sitting, particularly if they are septic, is a dangerous operation but often appears to be carried out in a most light-hearted way. Often there is little if any preoperative preparation and postoperative treatment depends largely on the patient. During the last five years I have treated one case of lung abscess (fatal), one of severe bronchiectasis, one of severe infective arthritis and one of infective endocarditis following mass extractions, as well as numerous cases of gastric and duodenal ulcer, cardiac weakness and congestive failure, general ill health, and psychological disorders. In these extraction of many teeth at one sitting appeared to be either the sole cause of the illness or to have stirred up a hitherto quiescent focus of disease.

The causes which have led to the present state of affairs are many and have been ably summed up in your leading article. I am glad that you have stressed the present passive attitude to extraction. A generation has grown up which sets out to have its mouth "cleared" with as little ado as some would go to have a tooth stopped. Unless this attitude can be put right the beneficial effects of other reforms will be partly lost. It is of first importance that people should be trained from an early age to want to keep their teeth and to prefer the real to the false.

I am, Sir, yours faithfully,

Cambridge, April 22. LESLIE COLE.

FEMORAL HERNIOPLASTY

SIR,—Mr. Cowell in the paper you published on April 8 omits any reference to A. K. Henry's recent valuable contribution to this subject (*Lancet*, 1936, **1**, 531). A highly satisfactory exposure of the femoral ring from above is obtained through a low paramedian incision after stripping back the unopened peritoneum. The sac is then dislocated out of the canal and can be removed at a much higher level than is possible by the inguinal route. This free exposure makes separation of the bladder and the examination and treatment of contents (adherent omentum, appendix, ovary) much easier and more satisfactory. It is in the closure of the femoral ring, however, that the great advantage of this approach is seen. Both Poupart's and Cooper's ligaments are very substantial structures, and when sutured together by strong silk they offer a complete barrier against recurrence. This can be tested digitally at the time and the slightest pocket obliterated. Through the same incision the opposite side is examined and if necessary repaired.

During the last three years I have used this method in some 20 cases (4 of which were bilateral) with completely satisfactory results so far. I might add that a half-Trendelenburg position of the patient aids exposure.

I am, Sir, yours faithfully,

KENNETH HERITAGE.

Harley Street, W.1, April 20.

THERAPY BY LAYMEN

SIR,—I am delighted to see that the British Medical Association has invited the coöperation of the clergy in the treatment of the psychoses and psychoneuroses. This leads the way to the opening of our profession to the lay practitioner which is so desired by everyone. There remains only the extension of this principle to other branches of medicine. No doubt the ophthalmologists will be grateful to accept the assistance of the girls in multiple stores who so efficiently fit one with spectacles for sixpence per pair. The orthopædic surgeons will find the osteopaths and chiropractors very helpful. The naturopaths "successfully treat" cases of tuberculosis, diabetes, and nephritis and are not backward in showing their skill in the treatment of carcinoma. In fact when one considers it there is not one branch of our profession which could not be enlarged by the admission of some lay element. It is true that there is an act of Parliament which makes the treatment of venereal disease and the practice of obstetrics illegal to other than the fully qualified, but no doubt the B.M.A. will use its great influence to have these obsolete acts repealed.

The B.M.A. committee has stated that "lay practitioners will continue to practise with or without the approval of the medical profession," and it is inexpedient that recognition should be withheld from any outsider who has had two years' training. This of course holds true for other branches also. It is true that the clergy have special insight into the religious backgrounds of people, so they are naturally befitted for treating their minds. Similarly barkeepers are given special insight into the alcoholic backgrounds of many, so they are naturally qualified to treat those suffering from chronic alcoholism. Moreover, who could have a better insight into obstetrics and child guidance than the lady who tells us that she is the mother of ten (but has lost seven of them)?

The B.M.A. has struck a great blow for medicine and has at last broken down the barriers which have separated our profession from the laymen. Let us all abandon our stuck-up attitude and put away our conceit. Many people have had two years' training

in branches of our profession so naturally know more than those of us who have wasted so many years learning that which they have acquired so easily.

I am, Sir, yours faithfully,

Harley Street, W.1, April 22. CLIFFORD ALLEN.

*** The question whether mental treatment should be practised solely by doctors was debated by the National Council for Mental Hygiene last January when we commented in a leading article (Jan. 21, p. 154) on the differences of opinion within the medical profession. The report of the B.M.A. council, to which Dr. Allen refers, may be read in last week's supplement (p. 206) to the *British Medical Journal*. This report concludes with two recommendations:

Recommendation A: That the Representative Body approve the following principles:—

1. No lay psychotherapist should undertake treatment unless: (i) The patient has been recommended to him by a registered medical practitioner, or has had his case investigated by such a practitioner at the request of the lay psychotherapist. (ii) The lay psychotherapist has undergone a prescribed and approved course of training.

2. No medical practitioner should recommend a patient to a lay psychotherapist unless: (i) The medical practitioner is himself a specialist in psychological medicine or has referred the case to such a specialist. (ii) The medical practitioner has satisfied himself that the lay psychotherapist has undergone a prescribed and approved course of training.

3. Where treatment is undertaken by a medical practitioner and a lay psychotherapist in coöperation, the responsibility for the case should lie with the medical practitioner and there should be consultation from time to time between the medical practitioner and the lay psychotherapist.

Recommendation B: That the Representative Body express the opinion that lay psychotherapists should undergo a special training of at least two years' duration on the basis of a curriculum to be agreed upon by the responsible bodies; and that the Association take the initiative in putting machinery in motion for the establishment of approved courses of training.

INTUSSUSCEPTION

SIR,—I was much interested in Mr. Ian Fraser's account of a case of recurrent intussusception, published in your issue of April 15, and in Mr. Frank Forty's letter the following week.

With regard to the lymph-glands my experience supports Mr. Forty's view that the enlargement which is such a constant feature of these cases is the result of an acute enteritis. I agree with him that caseation is not seen; nor are other signs of intra-abdominal tuberculosis except the presence of free fluid. Although I have never removed a gland for section I have frequently removed the appendix where the general condition seemed to warrant the additional procedure. On the surface the appendix often appears injected and on section it has invariably shown intense lymphoid hyperplasia, the mucosa being swollen and having a mammillated appearance and the colour being a deep reddish-brown. Microscopical examination shows submucous lymphoid hyperplasia with round-celled infiltration of the other coats, especially the subserous region. The following recent case is of interest:—

A boy aged 2 was admitted to Hampstead General Hospital on April 12 with ? acute intussusception. There was a history of tuberculosis on the mother's side. One other child, aged 4, was quite well. Full-time healthy baby. Breast-fed for 2 months then fed on Nestlé's milk (condensed) until 9 months old. At this time there was a slight attack of diarrhœa; otherwise the child had been quite well until the day before admission when he had a fall whilst playing with another child who fell onto him. Immediately afterwards he complained of acute pain right across the abdomen (? colic). About one hour afterwards he vomited copiously, and the pains continued until bedtime. The child slept well all night, and seemed better early in the morning, but he still had spasms of pain.

After admission he slept for an hour and did not appear to be in pain. On waking however he had an acute attack of pain and then passed a small amount of blood-stained mucus without fæcal matter. He screamed a great deal after this but there was no further vomiting. On examination the child looked ill. Temperature 99·4° F., pulse-rate 125, respirations 24. An indefinite mass was palpable on a level with and slightly above and to the right of the umbilicus. The right iliac fossa felt empty. No tumour was palpable on rectal examination, but blood and mucus were present on the finger. Bile was absent. The urine contained acetone.

A diagnosis of intussusception was made and operation performed the same evening. The abdomen was opened through a right paramedian incision. The mass was found to be due to an enormous enlargement of the ileocæcal lymphatic glands, the cæcum being partly undescended. There was no sign of an intussusception nor was there any evidence that it had been present and had reduced itself spontaneously. There was no induration of the cæcal wall and apart from some free fluid there was no definite evidence of tuberculosis. The appendix appeared injected and was removed and the abdomen closed without drainage. Macroscopically the appendix showed the typical appearance of lymphoid hyperplasia. The section was examined by Dr. Rickword Lane, who reported as follows: "The appendix shows marked lymphoid hyperplasia and in one or two places areas suggestive of early tuberculous foci in the germ centres. There is marked chronic inflammatory lymphocytic reaction in the subserous coat but no specific tuberculous reaction. No tubercle bacilli could be found in Ziehl-Neelsen preparations."

The child appeared fairly comfortable through the night, but vomited green fluid twice the following morning, after which there was no further vomiting. Thirty-six hours after operation he passed a small motion of normal consistency with a small amount of blood. No further attacks of pain occurred and three days later he was taking an ordinary diet and the stools were normal.

In this case, even in the absence of a palpable mass, the sudden onset and absence of bile and fæcal matter were against a diagnosis of acute enterocolitis. The presence of a palpable mass of glands greatly increased the difficulty. There remains the possibility of spontaneous reduction of an intussusception.

I am, Sir, yours faithfully,

Harley Street, W.1, April 24. CAMERON MACLEOD.

STERILISATION OF DRESSINGS

SIR,—The suggestion regarding the sterilisation of operation drums which was made some years ago by K. Black (*Brit. med. J.* 1935, **1**, 157) is not often mentioned in the literature. He advocated packing into the bundle of dressings a number of small bars of fusible metal alloy, to melt at serial temperatures—e.g., 100° C., 110°, 120°, 130°, and so on, as desired. The bars of fusible alloy can be easily and cheaply compounded in any hospital workshop, and stamped with their melting temperature. But of course their employment in this way does not distinguish between dry and moist heat.

I am, Sir, yours faithfully,

E. G. T. LIDDELL.

Trinity College, Oxford, April 22.

IS RADIOLOGY A SPECIALTY?

SIR,—British radiologists are trying to improve their standard of work by the introduction of higher examinations. This policy will maintain radiology as a specialty and for good or bad will influence the development of British medicine. It is thus a matter which affects us all and there should be further discussion of the pros and cons. There are two possible futures for radiology. In one, the radiologist specialises slightly on the side of diagnosis or therapy, but still attempts to cover the whole field to some extent. In the other, he specialises on therapy and general supervision, and leaves diagnosis to specialist consultants and technicians.

The standard of radiographical technicians is high. Many are capable of further responsibility, and with modern improvements in simplicity and reliability of equipment it is increasingly difficult to argue that any great disadvantages would result if consultant and technician came into direct contact without intermediation by the radiologist. At present, for instance, routine films to exclude bony injury after accident form much of the private work of the ordinary radiologist. Such films must be expensive and their high cost is an embarrassment to the general practitioner, who in some cases could take the responsibility for interpretation himself, and in others would like to refer the matter to a bone surgeon, but is deterred by the inability of his patient to afford fees for two consultants. In large hospitals it is still harder to justify the full-time radiologist. Dental films can go straight to the dentist, joint films to the consultants interested in orthopædics and rheumatism, sinus films to the E.N.T. man, and urogenital and neurological work to other specialists. In medicine the defects of the present system are also apparent. The interpretation of lung films and decisions as to further procedure are often difficult, but nothing is gained by radiologists reporting "increased root shadows" or "greater density at one apex." A better decision is reached if the general physician can consult someone who devotes most of his time to lung cases and does his own screening. To deprive the chest specialist of the chance of doing his own screening and to introduce a third person into the consultation is not in the interests of the patient or of the advance of medicine.

In heart cases the doctor who screens a dozen patients in succession, at the end of his outpatients, with the clinical details fresh in his memory, is more efficient than the combination of radiologist inexperienced in hearts with clinician ignorant of radiology. In the abdomen lack of coördination leads to frank disaster. Good diagnosis depends on the examination being made at the right time, in the right psychological atmosphere, often after a period of diet or with the aid of drugs. These considerations are satisfied if the gastro-enterologist does his own radiology, but not if the radiologist sees the patient for the first time with goggles on or in a dark room, or if he is unable to adapt his routine to the particular case because adequate clinical details are not available. The differential diagnosis between duodenal erosions and anterior- and posterior-wall ulcers is often impossible in an acutely tender patient with a stomach full of secretion, and early colonic neoplasms are much harder to find if the colon is irritable from previous abuse of purgatives.

In short, under the present system apparatus and technical skill are not being used to their best advantage. The result is that costs are too high, patients fail to get the best possible diagnosis, and consultants are not learning as much as they should about the conditions which they treat. An X-ray department is no place for amateurs, but it is possible for the specialist consultant to learn sufficient about radiology to look after apparatus, patients and co-workers. Whereas it is not possible for the average radiologist to keep abreast of the entire field of medical and surgical diagnosis, especially if he works for clinicians whose ignorance of radiology doubles his technical difficulties.

I am, Sir, yours faithfully,

Oxford, April 25. DENYS JENNINGS.

PS.—A foreign doctor told me recently that the most ridiculous thing about our medical education was that the average student knew more about microscope slides made from dead bodies than X-ray films made on living. Was he right?

MEDICINES AND THE BUDGET

SIR,—At a loss to the revenue of approximately £$\frac{3}{4}$ million—a drop in a big bucket—the Chancellor of the Exchequer proposes to liberate the medicine trade from the slight restrictions which a small vendor's duty and a small sales tax entail. Thus it is proposed to sacrifice the principle, which has been embodied in the English code since 1783, that the public should purchase its self-prescribed medicine from trained vendors. Why? Two years ago a departmental committee recommended that the sale of medicines should be taxed by an additional £3$\frac{1}{2}$ million. Why are the recommendations of a committee, which took its task so seriously and was so laborious in its inquisitions, so flouted?

I am, Sir, yours faithfully,

Whitehall Place, S.W.1, April 25. F. C. GOODALL.

MENTAL NURSING

SIR,—The use by two of your correspondents of the term "refractory" ward, a term reminiscent of past penal methods but scarcely suited to modern ideas as expressed in the recent Criminal Justice Bill, still less for procedure associated with mental treatment, appears to me a very good argument for the introduction of some course of simple psychology for nurses, which I advocated in the letter which initiated this correspondence. Such a course should, in spite of Dr. Pilkington's fears, be of value to the nurse since it should deal with the relationship between individuals and show how natural tendencies and reactions, exaggerated in the mentally ill, should be met by nurses in the course of their duties. Such teaching would, I hope, eliminate the use of such condemnatory expressions as "refractory" and to my mind the consequent continuance of "manhandling patients by the methods of former days," to quote Dr. Spencer.

I do not see such practices here nor do I believe them to exist generally. We, however, speak of disturbed patients and disturbed wards. May I quote from my book "Practical Psychology for Nurses": "'Refractory' implies rebellion and the necessity for putting the rebellion down—placing the patient in an inferior position—but we have seen that it is just this intense feeling of inferiority which has by over-compensation provoked the rebellion, so that in using such terms our method is illogical."

A patient's testimony written after discharge following a five months' stay will possibly be more convincing. He writes: "I am afraid that at times I was a most difficult patient and it is a great wonder

to me how well all members of the male staff maintain so kindly and tolerant a discipline amongst all sorts of men. If the younger members of the staff can maintain the same kindly, tolerant and yet firm control, retain a sense of humour as exampled by the many fine charge nurses they will indeed become men of dignity and character and carry on a very fine tradition."

I believe the early training in applied psychology is in part responsible for this. It seems to be agreed that some such course is needed and this should, I think, be officially recognised.

I am, Sir, yours faithfully,

W. J. T. KIMBER,
Medical Director, Hill End Hospital and Clinic.

St. Albans, Herts, April 24.

THE ART AND THE SCIENCE

SIR,—The annotation under this heading in your last issue encourages me to enter the lists again, this time with a rebated spear-point. There is general agreement that life is short and the art is long to learn. Hippocrates, Seneca, Cicero, Chaucer, Tristram Shandy's father and finally your annotator all said so. "It is, after all, a question of time," he adds; and since at present the clinical scientist has to be steeped in the art, "it cannot be surprising if clinical research has few votaries." If only the powers that be realised that truth and acted upon it! But worse still is the undoubted fact that the present curriculum does not even provide an education designed to meet the needs of the general practitioner. If a boy wants to become a journalist, he is not apprenticed in turn to a paper-manufacturer, a calligrapher, a printer, a publisher and a newsvendor before he starts his profession; a would-be cobbler is not apprenticed to a farmer, a tanner, a seamstress, an orthopædist and a professional walker before he starts to make boots. But future G.P.s are apprenticed to an imposing array of specialists, each of whom is thoroughly convinced of the importance of his own subject in itself. Lord Horder (p. 916 of your issue) desires "a joint committee of all teachers interested" to decide which preclinical subjects should be curtailed; Prof. Witts believes that "the only Curriculum Committee which will be of any value will be composed of non-medical people." As usual, the G.P. is forgotten, and yet it is primarily for him that the curriculum is "designed" (one can scarcely speak of design in connexion with the present amorphous structure). I venture to quote again Sir James Mackenzie's sound criticism that "the General Practitioner who has suffered from a defective medical education is seldom consulted in educational matters." All the committees on reform of the curriculum are agreed that changes must be made. But it is useless to go on repairing an out-of-date structure, dropping a brick here and there and adding a great many more at weak points; it is more than time that the whole curriculum was pulled down and rebuilt on sound lines.

But if the training of clinical scientists is to diverge from that of G.P.s at some stage before qualification, they must be selected early. Your annotator is surprised that I "did not at once invite Prof. Witts to define the stage of mental growth at which one can diagnose the mental researcher." The reason is simple. Prof. Witts believed that they could not be picked out at the end of their third year at the university. I expressed surprise at this, believing "that they are more easily diagnosed after three years at the University than when they have spent three years at a Hospital." If they could not be diagnosed at the age of 21 or 22, although "research workers are born and not made," it mattered little to me at what stage Prof. Witts could select them: the parting of the educational ways would have been reached. But any college tutor, and any professor of "preclinical" subjects, can select promising research workers from amongst his pupils reading "physiology finals." I understand that the main delight of tutoring lies in finding students who are keen to examine physiological precepts critically and to test them on themselves; a pin, a watch and a handkerchief (to occlude the circulation to a limb) are the main pieces of apparatus, although the simple instruments which Lord Horder believes are foreign to the physiological student are included. But at a hospital, with little time and other people's pathological bodies at his disposal, the student has scant opportunity of showing ability for research until he is qualified. Surely, therefore, future research workers can be selected more easily when they are third-year undergraduates? And this is not a particularly early age for them to decide whether they wish to become primarily G.P.s or scientists; it is at least three years after they have chosen whether they want to be doctors or soldiers, journalists or cobblers. As Anatole France said, "the faculty of doubting is rare among men; a few choice spirits carry the germs of it in them, but these do not develop without training." If research students can be selected early, it is surely not unreasonable that they be provided with a training that is relevant.

I am, Sir, yours faithfully,

Oxford, April 22. "PETER SHAW."

INFECTIOUS DISEASE

IN ENGLAND AND WALES DURING THE WEEK ENDED APRIL 15, 1939

Notifications.—The following cases of infectious disease were notified during the week: Smallpox, 0; scarlet fever, 1700; diphtheria, 845; enteric fever, 11 (25 "expected"); pneumonia (primary or influenzal), 1304; puerperal pyrexia, 231; cerebrospinal fever, 34; acute poliomyelitis, 3; acute polioencephalitis, 1; encephalitis lethargica, 3; dysentery, 18; ophthalmia neonatorum, 86. No case of cholera, plague, or typhus fever was notified during the week.

The number of cases in the Infectious Hospitals of the London County Council on April 21 was 3228, which included: Scarlet fever, 616; diphtheria, 618 (carriers, 37); measles, 7; whooping-cough, 997; puerperal fever, 20 mothers (plus 13 babies); encephalitis lethargica, 304; poliomyelitis, 3. At St. Margaret's Hospital there were 23 babies (plus 13 mothers) with ophthalmia neonatorum.

Deaths.—In 126 great towns, including London, there was no death from smallpox, 1 (0) from enteric fever, 9 (0) from measles, 2 (1) from scarlet fever, 21 (3) from whooping-cough, 20 (1) from diphtheria, 63 (9) from diarrhœa and enteritis under two years, and 127 (18) from influenza. The figures in parentheses are those for London itself.

Hull reported the only death from typhoid. West Bromwich had 3 deaths from measles, Liverpool 2 from whooping-cough. Fatal cases of diphtheria were scattered over 18 great towns, Birmingham and Grimsby each reporting 2. Birmingham had 12 deaths from influenza, Liverpool, Walsall, and Swansea each 6, no other great town more than 4. Diarrhœa was fatal to 13 infants in Birmingham, 4 each in Liverpool and Middlesbrough.

The number of stillbirths notified during the week was 235 (corresponding to a rate of 37 per 1000 total births), including 35 in London.

PARLIAMENTARY INTELLIGENCE

ON THE FLOOR OF THE HOUSE

By MEDICUS, M.P.

LAST week in Parliament was very much a medical week; we reassembled on Tuesday and had before us the "Motion made and Question proposed" relating to civil estimates and estimates for revenue departments. The business was the consideration of the proposal "That a sum not exceeding £313,309 be granted to His Majesty. . . . " On this the Question was put "That Mr. Speaker do now leave the chair." But what by Hippocrates has that got to do with medical affairs? Just this—it is the procedure by which the House of Commons is able to discuss any business it wishes to discuss and which is related in some degree, often not at all a close degree, to the estimate concerned. In connexion with these debates on supply which recur every year it is the Parliamentary custom for private members to ballot for the privilege of introducing any relevant motion and to have it discussed as the substantial business of the sitting. The member lucky in the ballot for Tuesday was Sir Francis Fremantle. Sir Francis was a member of the Inter-Departmental Committee on Nursing Services which recently presented an interim report. In view of the fact that this interim report covers the major matters under consideration both Sir Francis Fremantle and Miss Megan Lloyd George, also a member of the committee, were able to take part in the debate with freedom. The admirable general review of the position of the nursing services made by Sir Francis showed that while 12,000 nurses enter the nursing profession now some 8000 more were, under existing conditions, required to fulfil today's requirements. To get this number it was essential to consider all the possibilities of recruitment.

The debate revealed a general agreement on the need for improvement of conditions. Nurses are badly underpaid, pensions unsatisfactory for some classes non-existent. Unreasonable hospital rules and restrictions on the personal freedom had an adverse effect on recruitment. But things were improving and the L.C.C. hospital service was praised for its enlightened reforms. But when everything has been done to remove the shackles of old habit and custom the problem still remains big. Undoubtedly there still exists the feeling referred to by Mr. C. G. Ammon, speaking for the front bench of the Labour Party, when he said that nursing was one of the things described as "the Lord's work" and by some odd twist of thought underpaid in consequence. It became clear in the debate that possible recruitment from the secondary and higher grade schools was inadequate, as it was from these schools that teachers, doctors, lawyers, secretaries and all the professional classes generally were taken. It was therefore from elementary schoolgirls that the bigger supply must come, and here a great difficulty showed itself. Under the new education arrangements the school-leaving age is raised to 15. But between 15 and 18 there is a gap of three years very difficult to bridge. It was proposed to help in this way by providing facilities for evening study by girls who are self-supporting in the day. It seems however quite clear that if the nursing profession is to get all the recruits it wants it will be necessary to institute special courses of technical training with adequate maintenance grants between 15 and 18. To do otherwise is to throw a severe physical strain on prospective nurses in the most important 15 to 18 period. This is all the more true because the number of 20,000 recruits a year required at present but not reached is by no means the high mark of requirements. It is more likely to be only a beginning. And in war-time, Mr. Elliot said, the Government would need 100,000 auxiliary nurses. An undercurrent of the debate showed members' minds perturbed about the standard of nurses' education. It was felt to be desirable that all nurses should be of a high educational standard and undesirable that there should be the need for recognising any standard of education and training below what should be the normal level of the well-educated and well-trained nurse.

* * *

On Thursday the House turned from nursing services to the Camps Bill. Many have urged for many years that holiday camps for school-children should be made available by Government organisation. Existing holiday camps for adults and children are numerous but they are too expensive for the poorer elementary-school children who most need them. The condition of subacute crisis or emergency in which we now live has had as one of its exacerbations the bill to provide camps in permanent hutments for school-children's holidays in peace and for school-children's evacuation in war. It is true that only 50 camps are being provided and that they will only take a few thousand children out of the multitudinous thousands upon thousands who will require country hospitality in time of war. But it is at least a beginning and if the camps are built with water-supply, drainage and cooking arrangements on a scale which would allow large tent expansion in emergency then 4, 5 or even 10 times the peace-time number might be accommodated. The Government envisaged only a two-fold increase of the camps. There are to be camps in England and Scotland and probably in Wales and grave fears were expressed on all sides of the House as to the possible disfigurement of the countryside which might result unless the siting and building of the camps were very carefully planned so as to preserve rural amenities. The Government spokesman tried to allay these fears but they were not very successful although the Labour protest was crushed by the voting machine 224 to 110—mostly of course people who had not heard the debate but just came in to walk through the division lobbies.

FROM THE PRESS GALLERY

The Supply of Nurses

IN the House of Commons on April 18 Sir FRANCIS FREMANTLE moved :—

> That this House, taking note of the Report of the Inter-Departmental Committee on Nursing Services, recognises the inadequate supply of nurses to meet the increasing demand for their services and the urgent need of reform in their training, registration, and conditions of service both for institutional and domiciliary nursing.

He said that nursing was no longer merely a personal service; it served a national need. There was a rising storm of complaints which showed instances, all too frequent if not general, of nurses being overworked and under-paid, of excessive discipline and restrictions and inferior accommodation, while at the end of a life's service nurses might not be able to get the pensions to which they started to contribute. In 1932 was published the very well-informed report of THE LANCET Commission, which resulted in many

of the improvements which had taken place. Last year they had the report of the Alness committee in Scotland, and in January of this year they had an interim report from the Athlone committee for England and Wales. Roughly speaking, the number of nurses on the general part of the register alone was 74,000 and there was a total of 90,000 on the general and the supplementary registers.

REASONS FOR INCREASED DEMAND

During the past 12 years the numbers entering for the preliminary state examination had increased from less than 6000 to nearly 10,000, and the numbers entering for the final examination had increased by something like 100 per cent. From 25 to 35 per cent. of the probationers fell out in the first year. Therefore recruitment even at the present rate required not only the 9000 who entered for the final examination but the 3000 who had dropped out on the way—that is, 12,000 entrants. Examples of the shortage were that in December, 1937, the London County Council in their general hospitals, with an establishment of nearly 7000 nurses, had 611 vacancies for staff nurses. A quarter of the authorised posts for female nurses in the Surrey County Council were unfilled. Most hospitals and institutions reported similar difficulties. The increased demand for nurses arose from various factors. In the first instance the number of beds in voluntary hospitals had increased by 1500 in recent years, requiring the service of 500 extra nurses a year. Secondly, under the Local Government Act, 1929, the poor-law institutions had been turned into well-run and equipped municipal hospitals with a corresponding increase of staff. Thirdly, the increased need for nurses came from the growing public demand for hospital treatment in acute sickness. Fourthly, there was an increased demand for domiciliary nursing, whether under an authority or under the Queen's Institute of District Nursing, or in private homes. The fifth factor in the increased demand for nurses was the development of medical technique. Lastly, there had been greater efforts in recent years by hospital authorities to reduce the hours of nurses and this had also led to increased staffs. According to the report of the Athlone committee the 96-hour fortnight, apart from everything else, called for a 20 to 30 per cent. increase in establishment. Sir Francis estimated that another 8000 entrants a year were required—that is, 20,000 in all—apart from future expansion of needs.

AND FOR THE FAILURE OF SUPPLY

Dealing with possible additional sources of recruitment Sir Francis said that lowering the age of admission below 18 was in general deprecated by the Athlone committee. The secondary schools might produce a larger source of supply when conditions were improved, but not anything like the large number required. Enlistment of girls from elementary schools meant filling the gap between the leaving age of 15 and the ages of 18 or 19. The first hurdle which entrants had to leap was their acceptance at an approved training school and a test examination if they had not the school certificate. The second hurdle was the preliminary state examination which was to be divided into two parts; courses were to be arranged under the local authorities so that girls could take the first part (anatomy, physiology, and hygiene) before starting work in hospitals and thus to some extent fill the gap. The second part of the preliminary state examination was on the practice of nursing learned in the hospital wards. An attempt should be made to avoid giving rather wearying instruction to tired nurses after a hard day's work. The third and more important hurdle was the final examination of which there had been much criticism. Some women who were very suited for nursing could not pass examinations. Many statements that had been made on conditions of the nursing service were exaggerated or quite unjustified; great improvements had taken place in the last few years. There was clear evidence however that together with the poor financial prospects the long hours of work were the chief factor in the problem of recruiting. A 96-hour fortnight would be a pretty heavy tax in itself, but it was the utmost improvement they could look for. That was exclusive of meals, but must include compulsory lectures. The nursing profession almost without exception was opposed to a limitation of hours by statute. It would be better to deal with the question by a system of public grants conditional on reasonable hours being worked by nurses. Off-duty periods and annual holidays ought also to be taken into account. Nursing was the only profession in which the principle of the maximum salary being more important than the minimum was ignored. The salaries of nurses in the higher grades, their position in regard to pensions, and in some places accommodation, required attention. If nurses were allowed to live out very careful regulations would have to be made so as not to interfere with the efficiency of their work. Unreasonable discipline and restrictions had a deplorable effect on recruiting. In conclusion Sir Francis acknowledged the debt which the country and the nursing profession owed to the General Nursing Council who, he said, had with admirable statesmanship formed the profession into a homogeneous whole in its early days of state recognition. The nursing profession were the inheritors of a great tradition. Too long their goodwill had been traded upon, and it was the duty, desire, and determination of the nation to give them the conditions essential for their service under the changed conditions of today.

HOURS AND PENSIONS

Colonel PONSONBY, who seconded the resolution, said that he thought that those interested in the recruitment of nurses might emphasise too much the question of conditions. Recently when a lady of eminence in the nursing profession lectured to the girls of Roedean School, and spoke of the improvement of conditions, the girls told her that they wanted to know about patients and how to nurse them. If nurses' hours were reduced to 96 per fortnight that change in the case of the London Hospital would necessitate 5 extra staff nurses, 10 fourth-year probationers on ward duty, and 90 other probationers. That would eventually mean 105 extra nurses to be added to a staff of 490. The cost, assuming that salaries and cost of food and maintenance remained as they were at present, would be about £11,500 apart from the extra accommodation required. He pleaded for a system of interchangeability with regard to nurses' pension rights. If the nursing service was to be national it was essential that the superannuation scheme should be national also. Something ought to be done in regard to the large number of assistant nurses who were not controlled in any way. Many of these assistant nurses were quite competent for hospital or domiciliary nursing, but others were completely untrained and unsuitable. As long as they were working under a matron in a hospital they might to some extent be supervised, but they were dangerous in private nursing. Some protection should be given to the state-registered nurses and the public, and a roll of assistant nurses with two years' training had been proposed to this end.

Mr. FRANKEL, speaking as one who is partly responsible for the London County Council nursing service, said they had experienced no material shortage in probationers; the real shortage was in trained staff. They found that after four years' training many nurses left the service and they had to consider whether the conditions and salaries were good enough to retain them. It was a lamentable fact that after leaving the L.C.C. hospitals nurses might come back a few weeks later from the nursing agencies at four guineas a week. The London County Council were doing their best to solve the problems of their nursing service, and he believed that in some hospitals they had done so. They had removed many of the restrictions

on the freedom of the trained nurse. He was still in favour of residential service for nurses. The L.C.C. had anticipated the report of the Athlone committee. A year ago they introduced the principle of the 48-hour week or the 96-hour fortnight. This had involved considerable extra expense for which the council did not get one penny of grant. He hoped that the Government would help those local authorities who were trying to meet the difficulties associated with the provision of an adequate supply of nurses.

VIEWS OF THREE WOMEN MEMBERS

Miss LLOYD GEORGE, who was one of the lay members of the Athlone committee, said that she hoped that the Government would not await the publication of the full report before they implemented some of the unanimous recommendations. Evidence submitted to the committee showed that conditions still existed in the hospitals which would not be tolerated in most occupations open to educated women. But though it was true that nineteenth-century restrictions deterred twentieth-century girls from joining the nursing profession she believed that on the whole these restrictions formed but a small part of the problem. The two principal factors were long hours and low salaries. She saw difficulties in the way of the proposal that the public grants which were to be given to hospitals towards the carrying out of certain reforms, especially the reduction of nurses' hours, should be made conditional on such reforms being actually instituted. On the other hand, if the Ministry of Health had no coercive powers then the proposal was a dead letter. For that reason five members of the committee did not think it would be possible to reduce hours without legislation. She hoped that the Minister would set up as soon as possible a salaries committee representative of nurses and employers to negotiate standards of salaries. The necessary reforms could only be carried out by the hospitals with the assistance of public money, and this would involve a measure of public control.

Mrs. TATE did not regard present conditions satisfactory, either from the point of view of the nurses or the patients. It was not only a question of the nursing coöperations. In many nursing-homes the conditions were unhygienic and the patient had no guarantee that the nurse in charge was really trained and competent. She agreed with Miss Lloyd George that the proposal that grants should be made to hospitals to enable them to institute the 96-hour fortnight was a dangerous one. She did not see why grants should be given to voluntary hospitals for this one thing only.

She felt that it would not be possible in the future to maintain voluntary hospitals in this country, much as she regretted it from many points of view. A larger number of women would enter and remain in the nursing profession if there were better opportunities and pay for them when they were trained. She regarded the suggestion that assistant nurses should be registered for general nursing as very detrimental to the nursing profession and to the general public. She did not think that they would improve the status of nurses by registering untrained women.

Dr. EDITH SUMMERSKILL said she was surprised to hear Colonel Ponsonby say that they should not stress the conditions of nurses. Girls who did not want to hear about the conditions but only about the work were supernatural or took only an objective rather than a subjective interest in the life of nurses. One of the most important recommendations of the Athlone committee was that the nurses should be allowed to live out. The rule that nurses had to resign on marriage was a stupid waste of excellent material. There was some misapprehension on the question of assistant nurses; the object of the recommendation of the Athlone committee was to include such women, after they had had two years' training, on a roll and she welcomed this recommendation. Many of these women were without the intellectual equipment of those who could pass state examinations but had kindliness, sympathy, and understanding. She hoped that the Minister of Health would be able to arrive at some amicable arrangement by which the two grades of nurses would be able to work together. She pressed the Minister to see that adequate protection was given to nurses in the event of the outbreak of war.

OTHER REPRESENTATIVE VIEWS

Mr. LIDDALL said that the nursing problem would not be satisfactorily solved until there was a complete overhaul of existing machinery. Ridiculous examination tests should be abolished, probationers should be better paid, examination fees should be reduced and there should be less control of nurses' dress when off-duty.

Sir E. GRAHAM-LITTLE said he did not think that sufficient attention had been paid to the change which had taken place in the last 30 years in the whole aspect of the nursing profession. The education of the nurse had been more efficiently carried out in the voluntary hospitals than anywhere else. There had been great improvements in the housing and other amenities for nurses. In London during the last ten years more than £500,000 was spent by voluntary hospitals on buildings for nurses' homes and £27,000 on equipment and large sums also in the provinces, Scotland and Ireland. Much harm had been done to the recruitment of nurses by the fallacious statements sometimes made about the under-payment of the nursing profession. The nurse probationer was taught her profession and all the time was paid quite reasonably. The voluntary hospitals were aggrieved because municipal hospitals paid far more money to probationers than the voluntary hospitals; but notwithstanding that fact there had been no dearth of applications at the voluntary hospitals.

Mr. TOMKINSON said that conclusions could not be drawn from the experience of some voluntary hospitals. The general problem could only be solved by making it practicable for the child of the working man as well as for the secondary schoolgirl to enter the profession.

Captain ELLISTON said that they had to recognise that recruiting for the nursing service had broken down. It was notorious that the hospitals were at their wits' end to get applicants for vacant posts. Many senior nurses in our great hospitals were still less well paid than domestic servants. Adequate salaries should be paid, standard hours of employment should be adopted, and nursing be made a pensionable service so that it offered opportunities comparable with the other occupations which now attracted educated women; also the increase of salaries and of staffs would mean expenditure which few hospitals could face, but the parents of probationers might be quite willing to pay something towards the cost of training. If nursing was a national service surely the extra expenses should be a national charge. He could see no excuse for excluding local authorities from the grant offered to voluntary hospitals. The proposal for a roll of assistant nurses seemed to him an advantage to the women themselves and also a protection to the public.

Mr. EDE said those who had been engaged in the administration of municipal hospitals since the passing of the Local Government Act of 1929 knew how serious a problem the provision of a supply of nurses was. He hoped that measures would be taken to offer inducements to girls from working-class and lower middle-class families to train as nurses. The reforms advocated by the committee were of vital urgency.

Mr. BROOKE said that the South-Eastern Hospital for Children in his constituency had had to close two of its wards owing to the shortage of nurses. He hoped that the Athlone committee would obtain special evidence from children's hospitals, which had some distinctive problems. The deliberate training and certifying of different grades of nurses seemed to him essential. He wished that the committee had

recommended the immediate abolition of the test examination, which was turning away girls who would make good nurses. He quoted from the report of THE LANCET Commission in regard to the bad effect of damping curiosity and initiative on the part of the nurse; this was still being done in some hospitals. The recommendation of that commission seven years ago on securing interchangeability of pensions had not yet been acted upon. The Minister might consider the desirability of appointing a standing committee on the supply and training of nurses if the nursing profession could not solve the difficulties unaided.

Mr. AMMON said that more and more the nation was being pushed towards a state hospital service. In answer to a question he said that three-quarters of the L.C.C. hospitals had adopted the 96-hour fortnight. He hoped that the Minister would tell the House that the Government were prepared to go full-speed ahead in carrying out the recommendations of the committee's report. Apart from the normal demands of hospital treatment they had to bear in mind the need of greater haste to provide for the possibility of a war emergency.

THE MINISTER'S REPLY

Mr. ELLIOT, Minister of Health, said that the Government did not intend deferring all action until the final report of the Athlone committee had been delivered. All the reports on the nursing profession had laid stress on its special value to the community, and had maintained that the nurse's devotion to duty should be adequately rewarded not only by proper remuneration but by proper conditions of service.

The Government accepted these general conclusions. They recognised the high value of the nursing profession to the nation and the importance of the suggestions made. The demand for hospital accommodation was growing throughout the country and had not yet by any means reached the end of its growth. People were more ready, indeed more anxious, than they were to take advantage of hospital facilities. New services of many kinds were now finding their place in our hospitals and were rapidly developing. All this had increased the demand for nurses out of proportion to the actual increase of beds. Better service was being demanded and more specialised services were coming very rapidly into being—for example, orthopædics was of special importance. They were on the eve of a great development in the treatment of fractures: no service could be more useful to the nation than the rehabilitation of the injured and no service would require more specially skilled nursing attention. The shortage of nurses arose from the increased demand, and not from any falling off in the numbers of entrants to the profession. In England and Wales the numbers who entered for the final state examination rose from 5275 in 1927 to 9516 in 1937. In Scotland the increase was not so striking but the number of nurses registered in 1928 in that country was 800 and, in 1937, 1092. Roughly the number of entrants for the final examination in Great Britain had risen in ten years from 6000 to 10,000. The shortage was not primarily due to slackness, or to the drag of more and better-paid occupations. The increases, however, had not been great enough.

Present methods of recruitment were ill-fitted to the educational system of the country. An unfortunate gap existed between the school-leaving age and the age of entry into hospital. The Board of Education and the Department of Education for Scotland were sympathetically considering how best to organise arrangements to provide the most preliminary training both for girls from elementary and secondary schools. The General Nursing Council had submitted a rule to him to enable a "splitting" of the examination to take place, and it was proposed to approve the rule. This "splitting" had already been effected in Scotland. The Athlone and the Alness committees differed on the propriety of establishing a roll of assistant nurses. On this matter the Secretary of State for Scotland desired to gather opinion. In any case, if a roll of assistant nurses were determined on legislation would be necessary.

Many of the accusations in regard to conditions of service were exaggerated, but there was still scope for improvement. But it should be remembered that in spite of those conditions recruitment had increased over 50 per cent. in ten years. There was a great deal to be said on the credit side—for example, in the provision of new accommodation by both municipal and voluntary hospitals. The Government were prepared to accept the view expressed by the Athlone and Alness committees that the conditions of service of the nursing profession so far as they affected discipline, leave, and amenities, should be based "on the conception of a nurse as a reasonable adult anxious to live up to the high traditions of service for which the nursing profession in this country is justly famous." A circular would be issued to local authorities on the numerous administrative recommendations. He proposed to ask the British Hospitals Association to issue a circular in similar terms to the voluntary hospitals. The question of establishing Whitley Council procedure for nurses was under consideration by the Ministry of Labour. The Government were giving very careful consideration to the financial recommendations and it would be possible to say more about this matter at a reasonably early date.

NURSING IN EMERGENCY

He wished to speak on the effect on these matters of the danger of war. In round figures 200,000 hospital beds would be available in the first 24 hours in the event of war. These were in existing hospitals for which nursing staff was for the most part already provided. One hundred thousand additional beds were to be placed in existing hospitals, &c., for which staff was not at present provided, and in addition a block of 26,000 beds in hutted annexes had already been arranged. This was only a first step, but the total of beds in sight for which staff would have to be provided was already something like 120,000. At one nurse to three patients, the staff required for this programme alone was 40,000 nurses and nursing auxiliaries. Nurses and auxiliaries were also needed for first-aid posts, for helping the health visitors, for helping the district nurses, and for helping to look after those millions, children and others, who were being evacuated from the congested areas into the reception areas.

They were therefore asking, for the nursing and nursing auxiliary services, for 100,000 volunteers from Britain, not only from the towns but from the country places. They wanted the big organised units of industry, such as the big shops and stores, to give facilities to their staffs for training. Local authorities had power to incur any reasonable expenditure on such training, and no expense need fall upon the recruit. The cost of training in hospital would be paid for by the Government.

The national organisations through which training could be given were set out in the National Service Handbook. Names would be registered with the central and local emergency nursing committees. He appealed to retired trained nurses to continue to come forward and register. They had already a substantial recruitment, including some 11,000 St. John and St. Andrew's and Red Cross enrolled and trained personnel; some 12,000 women had enrolled with the Central Emergency Committee, of whom 5000 were fully trained nurses and some 7000 untrained enrolled through other organisations. These 7000 young women were now beginning or carrying through their training (or in some cases had completed it) and were working to a single unified scheme for qualification as nursing auxiliaries. But many more yet were required. He could assure Dr. Summerskill that the Government scheme for A.R.P. in connexion with hospitals applied to protection for the staffs as well as for the patients.

Sir F. Fremantle withdrew his amendment.

Conscription

In the House of Commons on Wednesday afternoon the Prime Minister stated the decision of the Government to introduce at once a bill to authorise the calling-up of any class or description of reserve and auxiliary forces. Next week, he said, he proposed to introduce a Military Training Bill giving power to call up for military training men aged 20 and 21. These would receive six months' training, after which they would join either the Territorial Army, for 3½ years, or the special reserve. Provision would be made for men to anticipate or postpone their calling-up for a specified period, and tribunals would be set up to consider the exemption of conscientious objectors on condition that they undertook work of national importance. The gross number of men to be called up yearly, ignoring exemptions, would be 310,000. Mr. Chamberlain maintained that the introduction of these measures leaves the voluntary system as the basis of the three defence services.

The Budget

In the House of Commons on April 25 Sir JOHN SIMON, Chancellor of the Exchequer, introduced his Budget. In the course of his speech he said that there was a troublesome question of long standing, to which he proposed to give a final quietus. It was that of the medicine stamp duties. These duties had a long history and the present law, which mainly dated back to 1812, had been described by a learned judge as a mass of confused and obsolete verbiage in which it was often difficult to decide which medicines were liable to duty and which were exempt. He might illustrate the archaic character of the legislation by quoting one of the exemptions which still applied on the statute book today. The exemption from duty extended to all drugs named and contained in the book of rates subscribed with the name of Sir Harbottle Grimston, Baronet, mentioned and referred to in the Act of Tonnage and Poundage made in the twelfth year of the reign of King Charles II. These were rather archaic duties, therefore, as he thought he had established. A select committee of the House of Commons exhaustively examined the subject and produced a new scheme in which the main test of liability of medicine for taxation would be whether it was advertised or recommended in some form or other; but that tax, as it seemed to him, did not serve to relieve from tax all medicines of healing value. Even with the exemptions which the select committee proposed, a large number of genuine medicines would be brought under taxation. He had received many representations as to the objections to which a tax on these lines would be open and it must be admitted that there would be real difficulties administratively. He had therefore reached the conclusion that the only satisfactory solution was to repeal the tax entirely, and he proposed to repeal the duty and the concomitant licence duty of 5*s*. payable by medicine vendors as from Sept. 2 next. He suggested that date because, firstly, the licence normally ran till Sept. 1, and it was desirable that the duty and licences should terminate on the same date; secondly it would give ample opportunity to the majority of the interests concerned to dispose of their stocks and adjust their prices to the new conditions. The cost would be £590,000 this year, and £770,000 in a full year.

To balance the loss of revenue from the Medicine Stamp Duties he proposed to put an excise duty on photographic films and plates manufactured in the United Kingdom of 4½*d*. per sq. ft. That would be the equivalent of about 2*d*. on the most popular size of roll film commonly used by amateur photographers. X-ray films and dental films used for medical and scientific purposes would be exempt from any duty.

Dealing with the additional revenue to be raised, Sir J. Simon said that it was necessary to raise the revenue from about £918,000,000 to about £942,000,000. Borrowed money for defence purposes produced £380,000,000. Measures introduced in recent years to prevent tax avoidance had checked abuses to a considerable extent. Further devices however had been invented and fresh provisions would be introduced this year dealing with surtax and estate duty. These would be retrospective in effect. Income-tax would not be increased, from the present rate of 5*s*. 6*d*. in the £, to avoid any depressing effect on industry. The motor licence duty on private cars would be raised as from Jan. 1, 1940, to 25*s*. per horse power. The motor-cycle duty would be correspondingly raised. A surcharge would be imposed of a further 5 per cent. in the rates of surtax applying to all slices of income up to £8,000 and a further 10 per cent. increase of rates in respect of all incomes in excess of a total income of £8000. These increases would mean that the peak rate of income-tax and surtax would be 14*s*. 6*d*. in the £. There would be a surcharge of 10 per cent. on existing duty on estates exceeding £50,000. The tobacco duty would be raised as from April 26 by 2*s*. per lb. This increased the present rate of tax of 9*s*. 6*d*. per lb. to 11*s*. 6*d*. per lb. The present duty of 9*s*. 4*d*. per cwt. on sugar would be increased by 2*s*. 4*d*. per cwt.—i.e., by ¼*d*. per lb. The final Budget balance showed a revenue on the existing basis of £918,330,000 and the revenue, after taking account of the new taxation, would be £942,600,000. With an estimated expenditure of £942,444,000 this meant an estimated surplus of £156.000.

Control of Casualty Services

In the House of Commons on April 24, when the Civil Defence Bill was considered in Committee, Dr. HADEN GUEST moved an amendment to leave out the subsection that permits the Lord Privy Seal to transfer any of the functions to another minister. Dr. Guest explained that his object was to secure unified control of the civil defence services. The present division of functions between the Lord Privy Seal, the Minister of Health, and the Minister of Transport led, he said, to a certain amount of disunity. Serious conflict was arising in the organisation of the casualty services and it was vital that they should be coördinated. At present air-raid posts were under the Ministry of Health, stretcher bearers under the Lord Privy Seal, and ambulances under the Minister of Transport. It was the opinion of the medical officers of health of the metropolitan boroughs that under the present system of recruitment, training, and conditions of service the efficient functioning of the casualty services either in peace or war was impracticable. It might be advisable to set up an advisory council or board, but it was essential that there should be unity of command.

Sir J. ANDERSON, Lord Privy Seal, said the subsection was necessary for two reasons: (1) to regularise what had already been done; and (2) to provide for future contingencies. He was now responsible for all matters of policy in connexion with civil defence, but if the work was to be done in a reasonable time the burden must be spread. In regard to casualty services, the bill proposed to entrust the Minister of Health with the organisation of hospital services, and the responsibility for first-aid posts was to be transferred to the Minister of Health under this subsection. There had been a demand for the metropolitan boroughs that the responsibility for first-aid parties should be added also, but the Ministry of Health and his own department agreed that the first-aid parties should remain under his control. First-aid parties were street parties, and must be organised so that they could collaborate effectively with other street parties, police and fire brigades. The objection that divided responsibilities might constitute a grave obstacle to efficiency in emergency had always been kept in mind. It was essential to provide for an executive organisation that would function efficiently and promptly, with one effective chain of command from the Government to the smallest unit. That was the purpose of the regional organisation. The local authorities were

being urged to provide their part of that chain by the appointment of controllers and sub-controllers to work in association with small committees of the local authorities.

Mr. GREENWOOD said he did not like this legislative device which would place the Minister in a position to order about other ministers. There should be an A.R.P. council of equal authority to the Air Council and the Army Council. The Lord Privy Seal should not be running this show with one or two charge hands and an office-boy or two. He should have with him a council of all the ministers concerned. Local authorities' organisations should also be represented on the council, which would then be an authoritative body fitted to work out all the details of a scheme which could be rapidly and effectively put into operation.—After further debate the amendment was negatived.

QUESTION TIME

WEDNESDAY, APRIL 19

Women Aliens as Hospital Nurses

Mr. BROOKE asked the Minister of Labour how many permits were issued to women aliens in 1936, 1937, and 1938 respectively, to work or to train as hospital nurses in this country.—Mr. ERNEST BROWN replied: The numbers of permits issued during 1936, 1937, and 1938 in respect of the employment and training of female aliens as nurses in hospitals were 87, 171, and 224 respectively. In addition favourable recommendations were made to the Home Office during 1936, 1937, and 1938 in respect of female aliens already in the United Kingdom who wished to enter hospital posts, the numbers being 44, 61, and 98 respectively.

THURSDAY, APRIL 20

Supplies of Milk to Necessitous Children in Lancashire

Mr. PILKINGTON asked the Parliamentary Secretary to the Board of Education which Lancashire local authorities were supplying to school-children one pint of milk a day; and also which authorities delivered the milk to the homes concerned during the holidays.—Mr. KENNETH LINDSAY replied: I understand that in the Lancashire county area and in Wigan the amount of free milk supplied to necessitous undernourished children who do not also receive free dinners is usually one pint a day. In the other Lancashire areas where free milk is given the usual amount is either one-third or two-thirds of a pint, though some children receive a pint a day. Where arrangements are made for the supply to be continued during the holidays the children attend centres where the milk is distributed; so far as I am aware the milk is not in any case delivered by the local education authority to the homes of the children, but if a child is prevented by illness from attending the centre the parents can arrange for the milk to be taken to the child's home.

Mr. PILKINGTON: Would it not be better to raise the amount of milk given in all cases to a pint, as a certain amount of distress is felt in those areas where the two systems are working side by side?—Mr. LINDSAY: We urge that at least two-thirds of a pint should be given, but it is up to the local education authorities.

Fracture Clinics

Sir ARNOLD WILSON asked the Minister of Health what steps had been taken hitherto to give effect to the recommendations of the interim report on the rehabilitation of injured persons of February, 1937.—Mr. BERNAYS replied: The attention of local authorities was called to this report in Circular 1632 of June 3, 1937, and subsequent local developments of fracture clinics have had regard to the interim recommendations.

Sir A. WILSON: Has any action been taken?—Mr. BERNAYS: I understand that about 12 hospitals, mainly voluntary hospitals, have already provided fracture clinics pending the publication of the report.

Corporal Punishment in Prisons

Sir SAMUEL HOARE, Home Secretary, informed Mr. BENSON that there were 5 cases of corporal punishment inflicted in H.M. prisons for offences against prison discipline in 1938—with the birch in 3 cases, and with the cat-o'-nine-tails in 2 cases. During 1938 the number of sentences of corporal punishment passed by the courts on persons over the age of 18 was 15, of which 14 were carried out, the remaining sentence having been remitted. The birch was used in 8 cases, and the cat-o'-nine-tails in 6 cases. The offences were robbery with violence in 12 cases and armed robbery in 3 cases.

Medical Expenses and Income-tax

Mr. ROBERT GIBSON asked the Chancellor of the Exchequer whether, before finally deciding on his Budget proposals, he would consider favourably making permissible, for income-tax assessment, deductions in respect of medical expenses, nursing-home costs, and surgeon's fees, which had been necessarily incurred to enable a wage-earner to continue earning an income from which income tax was leviable; and if he had any statement to make on the subject.—Sir J. SIMON: I regret I cannot see my way to adopt the hon. member's suggestion.

TUESDAY, APRIL 25

Vaccination as a Condition of Employment

Squadron-Leader HULBERT asked the Minister of Health if he was aware that vaccination had had fatal results in cases in which adolescents had been vaccinated for the first time to qualify for employment with an undertaking which, in the interests of public health, required its employees to have been vaccinated; and whether, having regard to the terms of the last paragraph of the circular issued by the Ministry on Aug. 19, 1929, he would introduce fresh legislation upon the matter.—Mr. BERNAYS replied: The answer to the first part of the question is in the affirmative. My department have drawn attention to the undesirability of primary vaccination during school age or adolescence both in annual reports and in the circular referred to. My right hon. friend is considering giving further guidance in the matter, but it is difficult to see how legislation would help.

Shale-dust and Silicosis

Mr. JAMES GRIFFITHS asked the Secretary for Mines if he was aware of the increase in the use of shale-dust for coal-dusting purposes; and whether, in view of the fact that shale-dust contained substantial percentages of free silica, and might be a cause of silicosis, he would take steps to prohibit its use for this purpose.—Mr. GEOFFREY LLOYD replied: I believe there has been some increase in the use of shale-dust due to the necessity to use for stone-dusting a dust which shall remain freely dispersible under the conditions of use. I am advised that shale-dust has been very extensively used for stone-dusting for 20 years and experience does not in any way suggest that its use is a cause of silicosis or that there is any need to prohibit its use.

ROYAL NORTHERN GROUP OF HOSPITALS, LONDON. At the annual council of governors of this group of hospitals on April 20 Lord Bessborough, the chairman, stated that the report covered the eighty-third year of the hospital's existence and, in that period, it had grown from a single room maintained at a cost of 12*s.* 6*d.* a week for a part-time nurse to the seventh largest hospital organisation in London. During the past year 145,910 days of inpatient treatment had been given—an increase of 6400 days—and the outpatient attendances increased by nearly 19,000 to 394,705. The departments for the treatment of cancer and fractures had been brought up to date, but building operations had been temporarily suspended because of present circumstances. The provision of a home for the whole nursing staff would be undertaken as soon as possible at a cost of £75,000. The general maintenance fund of the hospital had a deficit last year of £30,753 and the position had become so acute that the King Edward's Hospital Fund for London had promised an emergency grant of £5000 if additional donations equalling that amount could be secured from other sources.

OBITUARY

ALFRED CARLETON WILLIAMS

M.R.C.S., D.P.H.

As an authority on mental deficiency, in its clinical as well as its administrative aspects, Dr. Carleton Williams was greatly valued by his colleagues at County Hall, and his death at 62 will also be widely regretted by teachers and others working in the special schools of the London County Council. He became a whole-time officer of the council in 1911 and from 1912 onwards was closely associated with the late Dr. F. C. Shrubsall in the ascertainment and care of mental defectives. Few acts passed during this century have presented more difficulties to local authorities than the Mental Deficiency Act of 1913 and the Education Act relating to mentally defective children passed in the following year. They placed on the medical profession the onerous task of deciding which persons are mentally defective, and in the metropolitan area Dr. Williams and Dr. Shrubsall were the two men on whose judgment of what constitutes mental defect the administration of these acts was based. Naturally the provinces looked to London for a lead, and they were not disappointed. The standards and criteria of mental deficiency which Shrubsall and Williams adopted after much careful experiment gained the general approval of medical officers, magistrates and others concerned with the administration of this branch of the mental-health services; and this was no small achievement in a field in which bias, suspicion, and propaganda warp the judgment of many well-meaning persons in the general community. Dr. Williams's fellow-workers admired his diagnostic ability when confronted with abnormal physical conditions and the versatility of his professional knowledge. Both the ability and the knowledge proved an asset in the particular tasks he had to perform and with Shrubsall he was able to lay a sound foundation upon which others may build with confidence. He was however a man of retiring disposition, and only those intimately associated in his work knew how much reliance was placed on his cool judgment. He was always ready to share his knowledge and experience. As part of his duties he had for many years visited all the London prisons in connexion with the certification and disposal of patients from the L.C.C. area who might be dealt with under the Mental Deficiency Acts. "His courtly and courteous manner," writes a member of the prison service, "endeared him to all and his practical outlook and friendly coöperation enhanced the value of his opinions." Others who knew him speak of his honesty of mind, his modesty and his approachability. Although his physical powers were waning and for some time had caused much concern, his mental powers were unimpaired to the end. To suggestions that he should spare himself he offered a brave and smiling resistance, and he worked to the last.

Dr. Williams was educated at King's College, London, where he was junior medical scholar, Warneford scholar and Sambrooke exhibitioner, qualifying in 1901. He married in 1925 Miss Florence Blakiston, one of the nursing sisters of the L.C.C.'s public-health department. Members of the medical profession conversant with Welsh national life will be interested to learn that Dr. Williams was a grandson of the Rev. John Jones, Talysarn, one of the greatest preachers of nineteenth-century Wales. He bore a strong physical resemblance to his grandfather, but the resemblance was even closer in their intellectual endowments and the disinterested service they both gave to their generation.

FRANCIS ALEXANDER BARTON

B.A. CAMB., M.R.C.S.

Dr. Barton, who died at Romsley Hill Top, Worcestershire, on April 18, was a man of astonishingly varied interests. He was born at Dover in 1861, the son of Dr. F. E. Barton, and was educated at Harrow and Caius College, Cambridge, where only lack of weight lost him a rowing blue. He did his clinical work at St. George's Hospital, and after qualifying in 1886 went into practice at Beckenham. There he spent most of his leisure in studying aeronautics and in 1902 made an ascent in a balloon from Beckenham, coming down in the Channel. In 1905 he designed an airship with controllable wings that made a short flight at Alexandra Palace, and soon afterwards he built the first hydroplane. He then experimented on the production of non-alcoholic wines in the South of France, but at the outbreak of the late war was again working with hydroplanes. During the war he returned to practice in Norwich, and in 1918 became deputy commissioner of medical services to the Ministry of Pensions for Berkshire and Cambridgeshire. He retired in 1925 and until three years ago lived at Alassio. Barton was a keen musician, and had composed several songs and waltzes. Last year he published his reminiscences, under the title "Jack of All Trades."

ROBERT PERCIVAL LANGFORD-JONES

M.B. LOND.

THE death of Dr. Langford-Jones at Whetstone on March 19 is felt by a wide circle, for he combined in unusual degree the qualities of family doctor and of medical statesman. The only son of a general practitioner at Bangor, he was trained at University College Hospital where he qualified in 1916 after holding a house appointment and then served as naval surgeon. After taking his London degree in 1920 he joined a firm of practitioners at Finchley and was attached to the memorial hospital there, acting as chairman of its appeal committee. He was a valued member of the British Medical Association, representing his division at the Nottingham meeting of 1926 and the London meeting of 1930, after which he was elected chairman of the division. In 1928 he became a vice-president of the Medical Defence Union and later he was assistant secretary to Dr. Neal, on whose death he took over for a time the onus of the secretariat; but to the council's regret he was unwilling to give up permanently the personal contacts of medical practice. During eighteen years of practice he had become a familiar figure in the district.

SOCIETY FOR RELIEF OF WIDOWS AND ORPHANS OF MEDICAL MEN.—At a quarterly court of directors held on April 12, Mr. H. S. Barwell, senior vice-president, being in the chair, one new member was elected and a donation of £50 reported from the Bovril Medical Agency. The return of income-tax to the value of £1008 for the year ended April, 1939, was expected. The date of the annual general meeting was fixed for Wednesday, May 24. Membership of the society is open to any registered medical man who at the time of his election is resident within a 20-mile radius of Charing Cross. Particulars from the secretary at 11, Chandos Street, London, W.1.

MEDICAL NEWS

University of Glasgow

On April 22 the following degrees were conferred :—

M.D.—Jane O. French and J. H. Hutchison (with honours); E. C. R. Couper, Thomas Fletcher and Hugh Smith (with commendation); O. A. Ajose (in absentia), R. W. Carslaw, S. R. Jamieson, and G. B. Mair.

M.B., Ch.B.—J. M. Bailey, E. M. Barbour, P. H. Barkey, J. S. Binning, J. F. Bishop, James Black, R. W. Bone, William Briggs, C. E. Brown, F. B. Brown, D. M. Campbell, R. J. P. R. Campbell, Elizabeth K. R. Davidson, I. E. Dawson, William Dougall, Gavin Fleming, Elizabeth H. B. Gardiner, George Gerrard, J. R. Gibson, Alberta S. Gilmour, W. M. C. Gilmour, David Glendinning, Matilda K. Godfrey, Mary R. Gray, A. M. Green, J. L. Hamilton, William Hamilton, Thomas Kane, D. C. Langwell, Sheila Latta, Hugh Lauder, L. F. McConnell, J. B. McEwen, John Macfadyen, William Macfarlane, Alexander Mack, Edith McKnight, Mary P. Maclean, D. G. MacNeill, A. L. McPheat, C. R. Marks, J. B. Miller, D. C. Moir, Marion H. Nicolson, Robert O'Kane, Stella M. B. Perry, B. O. Porchetta, J. F. Shapiro, William Sillar, R. H. Simpson, A. G. Sked, D. A. P. Stephen, H. S. Sweet, William Tannock, A. P. D. Thomson, J. S. Walters, Andrew Wilson, and Randolph Wyllie.

Bellahouston gold medals for eminent merit in M.D. theses were awarded to Dr. J. C. Dick, Dr. Tudor Jones, and Dr. W. T. W. Paxton.

University of Aberdeen

Applications are invited for A. W. Garden fellowships which are tenable for 3–5 years in any of the departments of the faculty of medicine in the university. Graduates of any British university are eligible, but preference will be given to medical graduates of the University of Aberdeen. Further particulars will be found in our advertisement columns.

University of Manchester

Applications are invited in our advertisement columns for a travelling scholarship in medicine and a scholarship in pathology from graduates of any university who have taken their full course of instruction in medicine and surgery at the University of Manchester and at the Manchester Royal Infirmary.

Gresham College

Four lectures on physic will be delivered at the college, Basinghall Street, London, E.C.2, by Dr. V. S. Hodson on May 2, 3, 4, and 5, at 6 P.M. He will speak on the human nervous system. Admission is free to all.

Ophthalmologists at Home

Several things conspired to make the congress of the Ophthalmological Society (reported on another page) a social as well as a scientific event. In the first place Mr. Harrison Butler, the president, had carried his suggestion that the wives of members should be welcome at the annual dinner, and in the second place three kindred international meetings were being held in London at the same time and the U.K. society hospitably made the dinner the opportunity of meeting a number of delegates and their ladies. The result was a lively gathering which completely filled even the spacious dining-room of the Langham Hotel. In proposing The Society Mr. Butler praised famous men, beginning with those—Hulke, Nettleship, Henry Power—who had founded the society in 1880 on the base of the earlier Moorfields Club. The Bowman lecture, the idea of Gowers, had been given by such men as Critchett, Hughlings Jackson, Hutchinson, Argyll Robertson, and Waren Tay. Later on the society became affiliated with provincial societies of like character, maintaining its independent character. Mr. Hugh Lett, in responding to The Guests, recalled the names of three surgeons who had presided over both the society and the royal college—Hutchinson, Howse and Tweedy.

Among the guests participating in the congress by invitation were Prof. H. Lauber (Warsaw), Dr. Harald Gjessing (Oslo), Prof. F. Terrien (Paris), Dr. René Onfray (Paris) and Dr. A. J. Bedell (Albany, N.Y.); delegates from the International Organisation against Trachoma, Dr. Wibaut, Dr. Park Lewis, Prof. E. de Grósz, and Dr. Harry Gradle; delegates from the International Association for the Prevention of Blindness, Prof. von Szily, Dr. Bailliart, and Dr. Churchill; delegates from the International Ophthalmological Council, Prof. J. W. Nordenson (president), Dr. Ehlers (secretary), Dr. E. Pflüger (treasurer), Prof. Walther Löhlein, and Dr. A. Knapp. Prof. Karl Lindner (Vienna) was also present.

Hospital for Sick Children, Great Ormond Street

For some time the skin clinic of this hospital has no longer been held on Wednesday mornings. As some patients continue to arrive at this time we have been asked to announce that the clinic is now held on Tuesdays at 1.30 P.M.

Postgraduate Course at Zürich

A special postgraduate course in medicine and surgery which will be given in English has been arranged by the medical faculty of the University of Zürich. It will be held from Aug. 20 to 26, and further information may be had from Prof. W. Loeffler, medical clinic, Kantonsspital, Zürich.

Tuberculosis Demonstration

On Saturday, June 3, at 3 P.M. at Papworth Hall, Cambridge, Dr. Walter Pagel will give a demonstration on the bactericidal power of the blood-serum and its significance in pulmonary tuberculosis. Those who wish to attend should communicate with Dr. Pagel at Papworth Hall.

British Dental Association

To mark the occasion of the annual meeting of this association in Newcastle-on-Tyne from July 31 to Aug. 4 the University of Durham will confer the honorary degree of M.D.S. on Mrs. Lilian Lindsay, hon. librarian of the association, and Mr. A. T. Pitts, scientific editor of its journal.

Ophthalmological Society of the United Kingdom

The first award of the Treacher Collins prize of the value of £100 has been made by this society to Dr. T. Hewitson Brown (Edinburgh) for an essay on cerebrospinal disease and its relation to the optic nerve. Essays by Dr. S. Nevin (King's College Hospital) and Dr. N. S. Alcock (British Postgraduate Medical School) were highly commended.

British Postgraduate Medical School

On Monday, May 1, Dr. H. E. Robertson, senior pathologist at the Mayo clinic, will lecture at the school on residual lesions in the stomach. On Monday, May 15, Dr. R. C. Wingfield will give the first of six weekly lectures on pulmonary tuberculosis. On May 17, 24, and 31 Prof. A. A. Miles will lecture on the isolation of bacterial antigens. All these lectures will be held at 4.30 P.M. Applications for tickets should be made to the dean of the school, Ducane Road, London, W.12.

Tuberculosis in Industry

In the course of an address to the Advisory Medical Committee of the Industrial Welfare Society on April 18 last, Dr. Philip Ellman, after discussing pathogenic and non-pathogenic dusts, spoke of a technically satisfactory radiogram in the early diagnosis of pulmonary tuberculosis. Among industrial workers in factories a chest radiogram would often reveal the definite presence of tuberculous lung infiltration in the absence of symptoms and clinical signs. When tuberculosis was treated adequately at this particular stage the results obtained were striking, for the presence of physical signs frequently indicated considerable structural lung disease. Dr. Ellman did not wish to decry the value of the stethoscope but pleaded for equal facilities and consideration to be given to examination of industrial workers by the X-ray tube. As a preventive measure all large factories should have on their staff a medical officer with adequate facilities, including X-ray apparatus. This would, in the long run, prove to be a financial gain for all concerned for it would assist the discovery of early pulmonary lesions and the study of their pathogenesis. Interpretation of chest radiograms required at least as much experience as that needed for the stethoscope. Prof. E. L. Collis, who presided, said that every dust and every mixture of dusts must be studied separately. Meanwhile the key to tuberculosis in industry was that the disease is infectious; hence some industries, like families, might become infected. In time gone by tailoring, printing, and shoe-making became infected. It took years of improved hygiene to eradicate such infections, but they were being reduced, and what held good for occupations held good for the community.

Postgraduate Courses in Tuberculosis

Postgraduate courses will be held under the auspices of the Joint Tuberculosis Council at the Royal Chest Hospital, London, from May 15 to 17; and at the London Chest Hospital from May 18 to 20. A course in non-pulmonary tuberculosis will also be held from May 22 to 26 at Heatherwood Hospital, Ascot, and at St. Mary Abbot's Hospital, Kensington. Further information may be had from Dr. J. B. McDougall, hon. secretary of the council, Preston Hall, Nr. Maidstone, Kent.

German Radiological Society

The thirtieth congress of this society will be held at Stuttgart from May 24 to 27 under the presidency of Herr Hermann Behnken, Dr. Phil, and Dr. A. Reisner. Subjects for discussion will include: organisation of a university or hospital radiological service; mass radiography; radiological investigation of the heart; the effect of X rays on the cells; sterilisation through X rays. Further information may be had from Dr. Reisner, Herdweg 74A, Stuttgart-N.

King's College Hospital

The first meeting of the committee elected to carry out the wish of King's College that a hospital should be attached to the medical school was held on May 13, 1839. A thanksgiving service to commemorate the centenary of this event is to be held in St. Paul's Cathedral on Friday, May 12, at 5.30 P.M. The Duchess of Gloucester will attend as president of the hospital, and the address will be given by the Archbishop of Canterbury. Further information may be had from the house governor of the hospital, Denmark Hill, London, S.E.5.

Empire Rheumatism Council

The Duke of Gloucester presided over a meeting of this council held at the Mansion House, London, on April 26. He said that at a conservative estimate there were today over 1,000,000 adults and over 200,000 children in the United Kingdom suffering from rheumatism. Lord Horder, chairman of the council, emphasised the grave deficiency of means for applying treatment that existed in this country. Sir William Willcox, F.R.C.P., vice-chairman, said that the whole Empire was being asked to subscribe £500,000. It was estimated that this sum would be sufficient for the seven-years term of the campaign. London and the home counties had already secured £51,000 of the £150,000 they were being asked to find. Sir Joseph Burn and Mr. A. G. Timbrell Fisher, F.R.C.S., proposed a vote of thanks to the Duke of Gloucester.

Appointments

BEALL, DESMOND, Ph.D. Toronto, junior assistant in the department of pathology of the British Postgraduate Medical School, London.
BOHN, G. L., M.B. Lond., F.R.C.S., hon. assistant surgeon to the Royal Berkshire Hospital, Reading.
BOYD, A. M., M.B. Belf., resident assistant medical officer at Epsom County Hospital.
BROOKES, THEODORA, M.R.C.S., resident assistant medical officer at the Monyhull Colony, Birmingham.
BUCKLE, BARBARA B., M.B. Birm., resident assistant medical officer at the Monyhull Colony, Birmingham.
DOWLING, HEATHER, M.B. Sydney, D.M.R.E., radiotherapeutist at the Royal Infirmary, Leicester.
FLOOD, J. C., M.Ch. N.U.I., visiting surgeon to the Charitable Infirmary, Jervis Street Hospital, Dublin.
GILMOUR, WILLIAM, M.D. Glasg., D.P.H., medical officer of health for Hamilton.
HALER, DAVID, M.B. Lond., D.C.P., hon. pathologist to the East End Maternity Hospital, London.
MCGAVIN, DONALD, M.Chir. Camb., F.R.C.S., hon. assistant surgeon to the Royal Infirmary, Leicester.
MAGILL, H. G., M.B. Belf., assistant medical officer at Cheshire County Mental Hospital, Parkside.
MILNE, CAROLINE, M.R.C.S., resident house physician at the Invalid and Crippled Children's Hospital, London.
WALKER, F. H. AITKIN, M.B. Camb., F.R.C.S., hon. surgeon to the Royal Berkshire Hospital, Reading.

London County Council.—The following appointments are announced. A.M.O. (I) or (II) = assistant medical officer (class I) or (class II):—
WHEELER, F. E., F.R.C.S., A.M.O. (I), Dulwich;
CAMPBELL, W. S., M.B. Belf., F.R.C.S., L.M., A.M.O. (I), St. Mary Abbots;
KANAAR, A. C., M.B. Lond., M.R.C.P., F.R.C.S.E., A.M.O. (I), St. Peter's;
SMITH, S. M., M.B. N.Z., A.M.O. (I), St. Andrew's;
BLOOM, ROSS, M.B. Lond., A.M.O. (II), St. Andrew's;
ROBERTSON, ANNE C., M.B. Belf., D.P.H., A.M.O. (II), St. Giles';
ANDERSON, B. H., M.B. Melb., A.M.O. (II), St. Giles';
RAE, F. S., M.B. Aberd., A.M.O. (II), St. Mary, Islington;
BOYD, FRANCIS, M.B. Belf., A.M.O. (II), St. Mary, Islington;
SOLLEY, RUPERT, M.B. Camb., A.M.O. (II), St. Stephen's;
RUDD, T. N., M.D. Lond., M.R.C.P., A.M.O. (I), Western; and
CLARKE, NORAH H. C., M.B. Lond., A.M.O. (II), St. Mary, Islington.

Examining Surgeons under the Factories Act, 1937: Dr. C. S. HEMMINGS (Bishops Waltham District, Southampton); Dr. E. V. LAMBERT (Uxbridge District, Middlesex).

Vacancies

For further information refer to the advertisement columns

Aberdeen University.—A. W. Garden Fellowships, each £200.
Altrincham General Hosp.—Sen. and jun. H.S.'s, at rate of £150 and £120 respectively.
Ashton-under-Lyne District Infirmary.—H.S., at rate of £150.
Battersea General Hosp., Battersea Park, S.W.11.—Cas. O., at rate of £60.
Belfast, Queen's University.—Five Musgrave studentships, each £200.
Birmingham, St. Chad's Hosp.—H.S., at rate of £150.
Birmingham, Selly Oak Hosp.—Jun. M.O.'s, each at rate of £200.
Birmingham General Hosp.—Res. surg. O., £180.
Birmingham and Midland Eye Hosp.—Res. surg. O., £200.
Bodmin, Cornwall County Mental Hosp.—Med. Supt., £1000.
Bolton, Borough Isolation Hosp.—Res. asst. M.O., £450.
Burnley County Borough.—Asst. M.O.H., £600.
Bury County Borough.—Asst. M.O.H., £500.
Camberwell House Mental Hosp., S.E.5.—Second asst. M.O., £350.
Cardiff, King Edward VII Welsh National Memorial Association. Asst. res. M.O. for North Wales Sanatorium, £200.
Cardiff Royal Infirmary.—Radium registrar, £400.
Central London Throat, Nose, and Ear Hosp., Gray's Inn Road, W.C.1.—Two asst. surgeons.
Ceylon Medical College.—Professor of physiology and registrar, £1150.
Chichester, Graylingwell Hosp.—Deputy med. supt., £700.
Croydon General Hosp.—Hon. asst. to surgeon in charge of the urological and proctological dept. Also two hon. asst. surgeons.
Dudley, Guest Hosp.—H.S., £150.
Epsom and Ewell Borough.—Temp. asst. M.O., £500.
Finchley Borough.—Temp. asst. M.O. for air-raid precautions, £500.
Glasgow Royal Infirmary.—Radiologist for X-ray departments.
Gloucester, Barnwood House Hosp. for Mental and Nervous Disorders.—Second asst. M.O., £450.
Golden Square Throat, Nose and Ear Hosp., W.1.—H.S., £100.
Hosp. for Sick Children, Great Ormond Street, W.C.1.—Res. med. asst. and clin. pathologist, £125.
Hosp. for Women, Soho Square, W.1.—Res. M.O., at rate of £100.
Iraq, Basrah Port Directorate.—Asst. port health officer, 70 dinars a month.
King Edward Memorial Hosp., Ealing, W.13.—Cas. O. and H.S., at rate of £150.
King's College Hosp., Denmark Hill, S.E.5.—Asst. physician to diabetic dept.
Lancashire County Council.—Asst. county M.O., £800. Also jun. H.S. at Biddulph Grange Orthopædic Hosp., at rate of £200.
Lancaster, Royal Albert Institution for the Feeble-minded.—Res. jun. asst. M.O., £375.
Leamington Spa, Warneford General Hosp.—Sen. res. surg. O., £200.
Leicester Royal Infirmary.—Res. radiologist, at rate of £200.
Lincolnshire Joint Board for the Mentally Defective.—Asst. M.O., £350.
Liverpool Eye, Ear, and Throat Infirmary.—Hon. asst. aural surgeon and laryngologist.
Liverpool University.—Chair of Surgery.
Liverpool University and Maternity Hosp.—Res. obstet. asst. and tutor, £250.
London County Council.—Asst. M.O. (class I), £350. Also asst. M.O.'s (class II), each £250.
London Jewish Hosp., Stepney Green, E.1.—Res. M.O. and H.P., at rate of £150. Also H.S. and cas. O., each at rate of £100.
Manchester, County Mental Hosp., Prestwich.—Locum tenens M.O., 7 guineas per week.
Manchester, Monsall Hosp. for Infectious Diseases.—Jun. res. asst. M.O., at rate of £250.
Manchester, Withington Hosp.—Deputy med. supt., £600.
Manchester City Education Committee.—School M.O., £1000.
Manchester Royal Infirmary, &c.—Dickinson scholarships, £300 and £75.
Middlesex County Council.—Asst. M.O. for public health and school medical dept., £600. Also asst. M.O. for Redhill County Hosp., £400.
Mildmay Mission Hosp., Austin Street, Bethnal Green, E.2.—Med. supt., £450.
National Temperance Hosp., Hampstead Road, N.W.—H.S., at rate of £100.
Newcastle-upon-Tyne, King's College.—Asst. bacteriologist in public health laboratory, £400.
Newton-le-Willows and Golborne Urban Districts.—M.O., £800.
Nottingham, Mapperley Hosp.—Locum tenens M.O., 7 guineas per week.
Nottingham General Hosp.—Res. cas. O., at rate of £150.
Oxford, Warneford Hosp. for Mental Disorders.—Locum tenens, 7 guineas per week.
Paisley, Renfrew District Asylum, Dykebar.—Med. supt., £900.
Portsmouth and Southern Counties Eye and Ear Hosp.—H.S., £150.
Prince of Wales's General Hosp., N.15.—Hon. officer to speech-therapy and lip-reading dept. Also hon. dental surgeon.

*Putney Hosp., Lower Common, S.W.*15.—Res. M.O., £150.
*Queen Charlotte's Maternity Hosp., Marylebone Road, N.W.*1.—Res. anæsthetist, at rate of £100. Res. anæsthetist and district res. M.O., at rate of £90 and asst. res. M.O., at rate of £80.
Redhill, Surrey, Royal Earlswood Institution.—Jun. asst. M.O., £350.
Richmond, Surrey, Grove Road Institution.—Res. asst. M.O., at rate of £250.
Rotherham County Borough.—Sen. school M.O. and deputy M.O.H., £750.
Rotherham Voluntary General Hosp.—Secretary superintendent.
Royal Air Force.—Commissions.
*Royal Cancer Hosp., Fulham Road, S.W.*3.—Surg. reg., £150. Also H.S., at rate of £100.
*Royal London Ophthalmic Hosp., City Road, E.C.*1.—Pathologist and curator, £650. Also two outpatient officers, each £150.
Royal Naval Medical Service.—M.O.'s.
*Royal Northern Hosp., Holloway, N.*7.—Consulting physicist.
Ryde, Royal Isle of Wight County Hosp.—H.P., £130.
*St. Paul's Hosp. for Urological and Skin Diseases, Endell Street, W.C.*2.—H.S., at rate of £100.
Salop County Council.—Deputy county M.O.H. &c., £700. Also asst. M.O.H., &c., £600.
Sheffield Children's Hosp.—H.S., at rate of £100.
Stoke-on-Trent City Education Committee.—Asst. school M.O., £500.
*West London Hosp., Hammersmith, W.*6.—Children's outpatient M.O., at rate of £150.
West Sussex County Council.—Res. med. supt. and asst. county M.O.H., £700.
*Westminster Hosp., Broad Sanctuary, S.W.*1—Chief asst. and registrar to electrical and irradiation unit, £250. Also Part-time chief asst. and registrar to radiological department, £150.

Medical Diary

May 1 to May 6

SOCIETIES

ROYAL SOCIETY OF MEDICINE, 1, Wimpole Street, W.1.

TUESDAY.

Orthopædics. 4.30 P.M., Mr. C. Lambrinudi: (1–2) Arthrodesis of the Hip for Old Dislocation. Mr. H. J. Seddon: (3) Extensive Ulceration of Skin Over Shoulder ? Tuberculous ? Streptococcal. (4) Plexiform Neuroma of the Upper Limb. Mr. J. A. Cholmeley: (5) Osteo-chondrodystrophy. Mr. K. I. Nissen: (6) Osteogenic Sarcoma of the Humerus treated by Irradiation. Mr. F. P. Fitzgerald: (7–9) Fracture of the Head of the Radius treated by Manipulation. 5.30 P.M., annual general meeting.

WEDNESDAY.

History of Medicine. 5 P.M., annual general meeting. Dr. H. P. Bayon: Ancient Egyptian, Hippocratic, and Medieval Pregnancy Tests.

FRIDAY.

Otology. 9.30 A.M., cases. 10.30 A.M., annual general meeting. Mr. Terence Cawthorne and Dr. C. M. Hinds Howell: The Otologist's Part in the Investigation of Brain Lesions. Dr. T. O. Howie will also speak.

Laryngology. 4 P.M., cases. 5 P.M., annual general meeting. Mr. Walter Howarth and Mr. E. D. D. Davis: Complications of Intranasal Surgery.

Anæsthetics. 8.30 P.M., annual general meeting.

WEST LONDON MEDICO-CHIRURGICAL SOCIETY.

FRIDAY.—8.30 P.M. (De Vere Hotel, Kensington, W.8), Prof. Henry Cohen: Some Recent Advances in Medicine.

BIOCHEMICAL SOCIETY.

SATURDAY.—2.45 P.M. (department of biochemistry, University of Oxford), A. C. Bottomley, S. J. Folley, and F. H. A. Walker: Induction of Prolonged Hyperglycæmia in the Lactating Ruminant by Subcutaneous Implantation of Adrenalin Tablets. D. E. Green, J. G. Dewan, and H. S. Corran: Relation of the Xanthine-aldehyde Oxidase to a Milk and Liver Flavoprotein. C. Long and R. A. Peters: Metabolism of α-ketobutyric Acid by Pigeon Brain. I. Banga, S. Ochoa, and R. A. Peters: Pyruvate Oxidation in Brain. R. A. Peters and R. J. Rossiter: Thyroid and Vitamin B_1. H. M. Sinclair: Estimation of Vitamin B_1 in Cerebrospinal Fluid. L. J. Harris: Vitamin-B_1 Complex, Part IX. Nicotinic Acid as a Dietary Essential for Pigeons and Guineapigs. L. J. Harris: Vitamin-B_1 Deficiency and Bradycardia in Pigeons and Kittens. Y. L. Yang and L. J. Harris: Estimation of Vitamin B_1 in Urine by the Thiochrome Test.

LECTURES, ADDRESSES, DEMONSTRATIONS, &c.

UNIVERSITY OF LONDON.

TUESDAY.—5 P.M. (University College, Gower Street, W.C.1), Prof. E. J. Bigwood (Brussels): Chemical Reactions between Proteins and Electrolytes.

TAVISTOCK CLINIC, Malet Place, W.C.1.

MONDAY.—6 P.M., Dr. Emanuel Miller: Relations of Neurology to Psychology.

WEDNESDAY.—3 P.M., Dr. Cedric Shaw: The Allergic Diseases. 4.30 P.M., Dr. H. Crichton-Miller: Insomnia.

THURSDAY.—6 P.M., Dr. Curt Boenheim: Psychological Characteristics of the Early School-child.

INSTITUTE OF PSYCHO-ANALYSIS, 96, Gloucester Place, W.1.

TUESDAY.—8.30 P.M., Dr. John Rickman: The Individual and the Group.

BRITISH POSTGRADUATE MEDICAL SCHOOL, Ducane Road, W.12.

TUESDAY.—4.30 P.M., Dr. C. M. Hinds Howell: Syphilis of the Nervous System.

WEDNESDAY.—NOON, clinical and pathological conference (medical). 2 P.M., Dr. T. H. Belt: The Special Pathology of the Lung. 3 P.M., clinical and pathological conference (surgical). 4.30 P.M., Prof. J. McIntosh: Cancer.

THURSDAY.—2.15 P.M., Dr. Duncan White: radiological demonstration. 3.30 P.M., Mr. Wilfred Shaw: Neoplasms of the Ovary, including Endometriosis.

FRIDAY.—2 P.M., clinical and pathological conference (obstetrics and gynæcology). 2.30 P.M., Mr. Cecil Joll: Toxic Goitre.

Daily, 10 A.M. to 4 P.M., medical clinics, surgical clinics and operations, obstetrical and gynæcological clinics and operations.

ST. MARY'S HOSPITAL, W.2.

TUESDAY.—5 P.M. (institute of pathology and research), Dr. Wilson Smith: The Prevention and Control of Virus Diseases.

ST. GEORGE'S HOSPITAL, S.W.1.

THURSDAY.—5 P.M., Dr. Anthony Feiling: neurological demonstration.

HOSPITAL FOR SICK CHILDREN, Great Ormond Street, W.C.1.

THURSDAY.—2 P.M., Dr. R. S. Frew: Birth Readjustment and its Errors. 3 P.M., Dr. W. W. Payne: Acidosis and Ketosis in Children.

Outpatient clinics daily at 10 A.M. and ward visits at 2 P.M.

LONDON SCHOOL OF DERMATOLOGY, 5, Lisle Street, W.C.2.

MONDAY.—5 P.M., Dr. H. MacCormac: Lichen Planus.
TUESDAY.—5 P.M., Dr. H. Corsi: Diseases of the Nails.
THURSDAY.—5 P.M., Dr. J. M. H. MacLeod: Ringworm Infections.
FRIDAY.—5 P.M., Dr. Hugh Gordon: Acute Dermatitis of the Face.

FELLOWSHIP OF MEDICINE AND POST-GRADUATE MEDICAL ASSOCIATION, 1, Wimpole Street, W.1.

MONDAY to SATURDAY.—ST. JOHN'S HOSPITAL, 5, Lisle Street, W.C.2, afternoon course in dermatology. (Open to non-members.)—MAUDSLEY HOSPITAL, Denmark Hill, S.E.5, afternoon course in psychological medicine.—BROMPTON HOSPITAL, S.W.3, Tues. and Fri., 5.15 P.M., M.R.C.P. course in chest diseases.—MEDICAL SOCIETY OF LONDON, 11, Chandos Street, W.1, Mon., Wed., and Fri., 5.15 P.M., primary F.R.C.S. physiology course.

MANCHESTER ROYAL INFIRMARY.

FRIDAY.—4.15 P.M., Dr. Fergus Ferguson: neurological cases.

Births, Marriages and Deaths

BIRTHS

ALCOCK.—On April 19, at Fawley Green, Henley-on-Thames, the wife of Dr. N. S. Alcock—a son.
CALVERT.—On April 22, the wife of Dr. E. G. B. Calvert, of Harley Street, W.1—a daughter.
FINNIGAN.—On April 13, at Hong Kong, the wife of Surgeon Commander (D) C. J. Finnigan, R.N.—a son.
KERR.—On April 25, at Cleveland Gardens, W.2, the wife of Dr. Eric J. Kerr, of Worthing—a son.
PAKENHAM-WALSH.—On April 23, the wife of Dr. R. Pakenham-Walsh, of Lancaster—a son.
SCOTT.—On April 21, at Speen, Newbury, the wife of Dr. T. G. Scott—a son.

MARRIAGES

GUNNERY—PEARSON.—On April 15, at St. Jude's, Kensington, Oswald Gunnery, M.R.C.S., to Hazel Hilda Pearson.
OLIVER—MCNEIL.—On April 22, at Christ Church, Mayfair, Wilfrid Allen Oliver, M.D. Lond., M.R.C.P., to Muriel McNeil.

DEATHS

BARTON.—On April 18, at Romsley Hill Top, Worcestershire, Francis Alexander Barton, B.A. Camb., M.R.C.S., aged 78.
CORNER.—On April 23, Frank Corner, M.R.C.S., J.P., of Blomfield Road, W.9, aged 77.
CROLY.—On April 25, at Pyrford Heath, Surrey, Lieut.-Colonel R. G. G. CROLY, M.B. R.U.I., F.R.C.S.E., I.M.S. (retd.).
HUNT.—On April 19, Langford Villiers Hunt, M.D. Dubl., of Drogheda, aged 59.
MACDONALD.—On April 24, Norman James Macdonald, M.R.C.S., Doctor of Osteopathy Kirksville, of Wimpole Street, W.1, aged 44.
REES.—On April 24, at Bognor Regis, Major Griffith Henry Rees, M.B. Lond., R.A.M.C. (retd.), aged 58.
ROSS.—On April 17, at Mevagissey, Cornwall, Andrew Taylor Ross, M.D. Glasg., F.R.C.S.E., late of Leigh, Lancs, aged 59.
SEATON.—On April 24, in Leeds, Douglas Seaton, M.B. Manc., aged 69.
STEPHEN.—On April 18, in London, Surgeon Commander Harry Forrest Stephen, M.B. Aberd., R.N. (retd.), aged 47.
SUTHERLAND.—On April 18, at Belhaven, Dunbar, Lt.-Col. David Sutherland, C.I.E., M.D. Edin., F.R.C.P., I.M.S. (retd.)
WILLIAMS.—On April 19, Alfred Carleton Williams, M.R.C.S., D.P.H., of Croydon, aged 62.
WILSON.—On April 21, at Bridge, near Canterbury, Arthur Thomas Wilson, M.B. Dubl., aged 67.

N.B.—A fee of 7s. 6d. is charged for the insertion of Notices of Births, Marriages and Deaths.

NOTES, COMMENTS, AND ABSTRACTS

DEFICIENCY DISEASES IN KASHMIR

By D. C. Wilson, M.R.C.P., M.C.O.G., D.P.H.
LATE MEDICAL OFFICER, WOMEN'S MEDICAL SERVICE, INDIA

A COMPARATIVE dietary survey has recently been carried out and clinical examinations of children have been made among various Indian communities. The results of the dietary survey and the statistical analysis of the clinical material will be published in full elsewhere. Kashmir State, however, by reason of its geographical position and physical features, provides special localised conditions which affect the health of its communities. The deficiency diseases occurring there form the subject of the present communication.

Situated to the north of British India, the state of Kashmir consists of a central fertile plain watered by a system of rivers, lakes, and canals, surrounded by valleys in which mountain streams provide water for agriculture. This irrigated area is bounded by foothills which constitute the dry or unirrigated tracts of Kashmir, and the country is cut off by high mountain ranges from British India and central Asian states. There are no railways, but roads and tracks lead in to the country over passes, some of which rise to heights of over 9000 feet. The country experiences a severe winter, and the inhabitants often exhibit great hardiness.

DIET

The dietary habits of the people in Kashmir may be briefly summarised as follows :—

Irrigated areas.—The diet of communities inhabiting the Vale of Kashmir consists mainly of rice and vegetables, the latter being used fresh in summer but dried for winter consumption. The people also eat pulses. Vegetable oils are used for cooking. There are certain modifications of diet among the followers of the two chief religious sects. Kashmiri Hindus are usually town dwellers. They drink a considerable amount of tea with sugar but without milk, and with very few exceptions they abstain from eating flesh. Kashmiri Moslems include meat in their dietary but usually can afford only a very small amount. They drink their tea with milk and with it use salt instead of sugar. Villagers are mostly Moslems. They obtain more milk and vegetables than do town dwellers of the same economic status. Kashmiri Moslems of one special class pass most of their lives on the wooden craft plying along the rivers, canals, and lakes. They eat a considerable amount of fresh vegetables besides some fish, and they are noted for their freedom from disease. Since but little shelter is obtainable on their primitive boats, even in winter all members of the family live an active outdoor life.

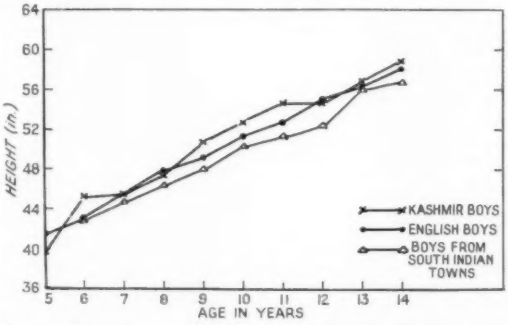

Fig. 1—Height-curves of Kashmiri, English, and South Indian boys.

Dry tracts.—Dietary habits are necessarily modified in the unirrigated foothills and in the scattered hamlets situated at high altitudes, for it is only possible to grow small amounts of rice. When this is consumed the families depend for the remaining part of the year on other cereals, possibly wheat or millet, but usually maize. Few vegetables are grown, but wild fruits and berries may be gathered. People in towns often find it more convenient to buy milled rice in the bazaars, but in the country districts home-pounded rice is still much used. The use of milled rice is, however, spreading in rural areas. Mill-owners are willing to fetch rice from the homesteads, mill it, and return it free of charge, provided they are allowed to keep the bran. The rice is usually not highly polished. Fermented rice-water is sometimes eaten together with the rice when vegetables are scarce.

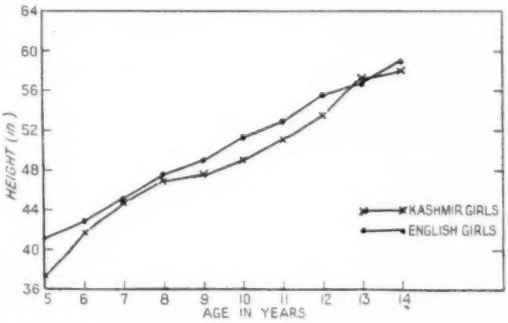

Fig. 2—Height-curves of Kashmiri and English girls.

PHYSIQUE AND HEALTH

School-children.—Clinical examinations and physical measurements of 406 school-children were made. The method used was essentially the same as that previously described (Wilson, Widdowson, and Wait 1937), and all the children were examined by the same observer. Height and weight were measured, and the results are shown graphically in figs. 1 to 4, together with corresponding measurements for South Indian children (Aykroyd and Rajogopal 1936) and for English elementary school-children (Board of Education 1927). Kashmiri girls tend to be shorter and lighter than English girls of the same age, but in the case of the boys there is little or no difference. The Kashmiri boys are heavier than boys from South Indian towns.

Dental examinations of the children included records of the number of teeth present in the mouth at the time of examination and the number noted by naked-eye inspection to be carious. The regularity of the front teeth was also observed, and the antero-posterior occlusion was classified as normal or pre-normal and post-normal. A summary of the results is given in the table. They will be fully discussed in the detailed report. The most noticeable feature is the low incidence of caries.

A tenth of the children examined showed evidences of *phrynoderma* or toad-skin, the follicular hyperkeratosis of the skin described and named by Nicholls (1933). The name has since been adopted by other writers (Loewenthal 1935a and 1935b, Aykroyd and Rajagopal 1936).

Three per cent. of the children were found to have *angular stomatitis*—i.e., stomatitis of the lips and angles of the mouth described by Nicholls (1933), Williams (1933), Landor and Pallister (1935), and Aykroyd and Krishnan (1936) as a sign of malnutrition.

Only 2 of the 406 children had *Bitot's spots*, the conjunctival lesions, first mentioned by Bitot (1863), that look like spots of foam or whitewash on the bulbar conjunctiva, most often to the outer side of the cornea. Wright (1931) and Aykroyd and Krishnan (1936) record its incidence among ill-nourished peoples in South India.

EXAMINATION OF THE TEETH OF 406 CHILDREN

Age in years	Number of children	Percentage of teeth carious (mean)	Percentage of children with front teeth		Percentage of children showing occlusion	
			Regular	Irregular	Normal or pre-normal	Post-normal
5	12	9·3	100	0	100	0
6	81	3·7	72	28	99	1
7	65	3·4	62	38	100	0
8	37	2·6	70	30	97	3
9	36	3·8	81	19	100	0
10	37	3·0	73	27	100	0
11	48	2·1	77	23	96	4
12	50	2·8	90	10	96	4
13	36	2·0	94	6	100	0
14	34	1·0	77	23	100	0

Two per cent. of the children had *rickets*. In assessing its incidence the lesser degrees—e.g., enlarged epiphyses—were taken into account (Wilson 1931).

Adults.—Other deficiency diseases and diseases often associated with malnutrition found among the adult population include *adolescent (late) rickets* and *adult rickets (osteomalacia)*. Both these syndromes (evidence of deficiency of food or of sunshine) have previously been met with in North India and described (Wilson 1931). In Kashmir osteomalacia was found among those Hindu and Moslem women who were poor and yet observed seclusion. Better-class Kashmiri women can enjoy sunshine in the privacy of courtyards or on the open upper stories of their houses. Apart from the bone pains experienced when the disease is active, the deformed pelvis of osteomalacia leads to much difficulty in childbirth.

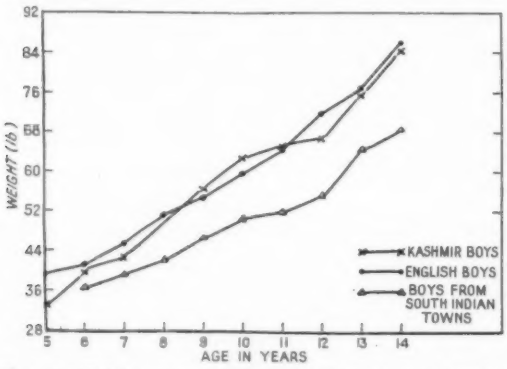

FIG. 3—Weight-curves of Kashmiri, English, and South Indian boys.

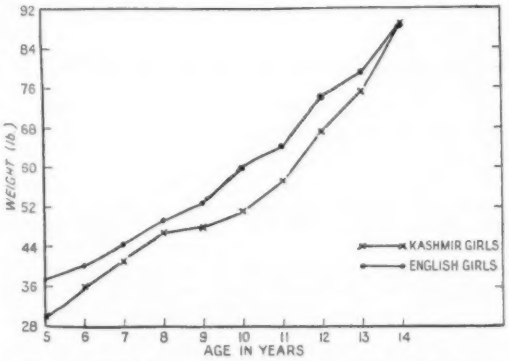

FIG. 4—Weight-curves of Kashmiri andE nglish girls.

Beriberi has been diagnosed among village women who had come to live in towns and had given up the use of home-pounded rice.

An interesting collection of cases of *pellagra* has been observed at the mission hospitals at Srinagar. The patients are chiefly Moslem agriculturists and herdsmen inhabiting unirrigated tracts. Fig. 5 shows a typical case. He was a Moslem agriculturist aged 26. He came from a village in the dry zone, where irrigation is limited and little cereal except yellow maize is grown. After the harvest the villagers eat first what other cereals have been obtained, and then until the next autumn's harvest they depend on maize.

This patient had been ill for five years, with remissions. He complained of burning and itching of neck, chest, arms, and legs, together with unsteadiness in walking and inability to open his eyes. His mental condition was confused. There were pigmentation and desquamation of the skin over those areas of the body which his single loose garment had left exposed. Bilateral ptosis was present, the tongue had a red edge, the deep reflexes were exaggerated, ankle-clonus was present, and the gait was spastic.

FIG. 5—A case of pellagra in a Kashmiri adult.

Leprosy is constantly being carried down the passes from central Asia and spreads among the poorer villagers.

Night-blindness and *scurvy* are occasional complaints at the outpatient departments of hospitals. *Stone in the bladder*, which is not uncommon among wheat-eating communities in India (McCarrison 1931), appears to be uncommon in Kashmir.

SUMMARY

(1) A brief account is given of the geographical and dietary conditions in Kashmir.

(2) A clinical examination of 406 children of five to fifteen years was made. Records of height and weight were collected and the results compared with those for English and South Indian children of the same ages. Dental inspections showed that there was a remarkably low incidence of caries.

(3) Various deficiency diseases occur among these people. Phrynoderma was seen in 10 per cent. of the children, angular stomatitis in 3 per cent., and rickets in 2 per cent. Late rickets, osteomalacia, beriberi, and pellagra are met with among the adult population.

This investigation was made possible by financial assistance from the Royal Society. A grant from the Ella Sachs Plotz Foundation permitted travel in Kashmir. I am indebted to Dr. W. R. Aykroyd and the staff of the Nutritional Research Institute, Coonoor, for help in many ways, and to the Indian Research Fund Association for the assistance of Dr. K. L. Shourie. In Kashmir H.H. the Maharajah very kindly gave facilities for investigation. Much help was also obtained from missionaries and other medical men and women.

REFERENCES

Aykroyd, W. R., and Krishnan, B. G. (1936) *Indian J. med. Res.* **23**, 741.
— and Rajogopal, K. (1936) *Ibid*, **24**, 419.
Bitot (1863) *Bull. Acad. imperiale Med.* **27**, 619.
Board of Education (1927) Annual Report of the Chief Medical Officer.
Landor, J. V., and Pallister, R. A. (1935) *Trans. R. Soc. trop. Med. Hyg.* **29**, 121.
Loewenthal, L. J. A. (1935a) *Ann. trop. Med.* **29**, 349.
— (1935b) *Ibid*, p. 407.
McCarrison, R. (1931) *Brit. med. J.* **1**, 1009.
Nicholls, L. (1933) *Indian med. Gaz.* **68**, 681.
Williams, C. D. (1933) *Arch. Dis. Childh.* **8**, 423.
Wilson, D. C. (1931) *Lancet*, **2**, 10.
— Widdowson, E. M., and Walt, C. (1937) *Ibid*, **2**, 1445.
Wright, R. E. (1931) *Ibid*, **1**, 800.

CHEMOTHERAPY OF GONORRHŒA

THE results of treatment of over 500 cases of gonorrhœa with Uleron are reported by F. Lana Martínez in the December, 1938, issue of a new journal, *Medicina Española* published at Corunna. The test of cure consisted in administration of provocative drinks and local applications, followed, if these proved negative, by intravenous or intramuscular injections of gonococcal vaccine. Even then the patients were observed for a further three or four weeks before they were pronounced free of the disease. The author concludes that uleron has revolutionised the treatment of gonorrhœa, many patients being cured in 5–10 days without other treatment. The dose required in gonococcal urethritis was obtained with a total dose of 18–21 g. of uleron spread over six or seven days. There were very few cases of intolerance towards the drug, and they were but slight. Patients who are not cured after three courses should be considered as refractory towards uleron, and the drug should be discontinued in favour of some other method of treatment. The effect of uleron on epididymitis complicating gonorrhœa is described as spectacular and dramatic, obvious improvement being noted in twenty-four hours. Other complications, such as cystitis and prostatitis, also proved amenable.

PROTECTION AGAINST INDUSTRIAL DISEASE

Dr. Donald Hunter, speaking to the medical group of the Left Book Club on April 13, pointed out that in many respects this country was far ahead of other countries such as Germany and the U.S.A. where legislation was either inadequate or inefficiently carried out. Yet in the main protection was not up to date. The abolition of wool-sorters' disease was an example of efficient legislation. Dry tool-grinding had been almost abolished but the methods of washing away silica particles were not always effective. The safety apparatus was often under the workman's control and could be put out of action by him; this was most undesirable. The increasing use of mechanical devices often avoided the exposure of the workman to dangerous substances incidental to manual processes. Often safe alternatives were available. Thus carborundum wheels were quite harmless and could well replace sandstone wheels which frequently needed "rodding" or smoothing —a highly dangerous process. In small, poorly organised and old-established industries conditions were often still bad and education of the workers and foremen was essential.

Diagnosis of industrial diseases was complicated by the fact that modern methods often involved a number of separate processes. Thus a rubber-worker might get lead-poisoning, as lead was used to treat the rubber. Another difficulty was that medical practitioners might not be familiar with the manifestations of industrial disease; the establishment of a special hospital for industrial diseases was desirable. Only by state control and state research could useful knowledge be pooled and mistakes such as that which had occurred in the asbestos trade be avoided.

Dr. Hunter showed a film illustrating a case of extreme posterior-column degeneration due to mercury methyl acetate, a fungicide used to protect wheat and oats from infection. A number of such cases had occurred, quite needlessly, as relatively harmless substitutes had already been evolved by Imperial Chemical Industries and I.G. Farbenindustrie at the time when the cases arose. Had these investigations been carried out by the state, this disaster could never have happened, as the knowledge would have been pooled and then disseminated throughout the industry.

STATISTICS OF INFANTILE PARALYSIS

As the result of an analysis of the official Swedish statistics of poliomyelitis for the years 1921–35, Jönsson[1] arrived at the challenging conclusion that there is little or no difference in the incidence of infantile paralysis in town and country if corrections are made for the comparatively high juvenile population of the country. This finding, which is quite contrary to general belief, was soon questioned by Prof. Wilhelm Wernstedt[2] in a communication to the Swedish Medical Society entitled "Statistics—a factor for better or worse in medical research." Statistics, he said, can never be more than an ancillary science. In medical research it must serve, not lead; but few have hitherto had either the courage or the competence to challenge the pure-bred statistician on ground that he should share with the common-sense clinician. Turning to Jönsson's conclusions, Wernstedt pointed out that in the 15-year period under review the disease was sporadic rather than epidemic, and that the findings therefore referred only to infantile paralysis as a sporadically endemic disease. Wernstedt also challenged the inclusion of abortive cases whose diagnosis is likely to be inaccurate, and which amounted to some 20 per cent. of the total. Again, he maintains that the distinction made between urban and rural communities may be grossly misleading: it is so easy by the stroke of the administrative pen to convert a rural in to an urban community overnight.

1. Jönsson, B., *Acta med. scand.* 1939, suppl. 98.
2. Wernstedt, W., *Nord. med. Tidskr.* March 4, 1939, p. 606.

Yet another mistake, according to Wernstedt, was the inclusion of the rural and urban communities in the whole of Sweden, irrespective of whether they had been invaded by infantile paralysis in the period under review. These are only some of Wernstedt's criticisms, which may prove as balm of Gilead to clinicians and epidemiologists terrorised by the pure statistician.

A HOSPITAL IN JERUSALEM

THE work of the St. John Ophthalmic Hospital, which is concerned only with defects and diseases of the eyes, is well known to all who reside in Palestine and the Near East, and its benefits are available free to everyone of whatever race or creed. While the number of patients attending during the past year has been smaller than in previous years, owing to the difficulties of travel in the country, two items in the annual report, which has just been published, give some idea of the work that is being done: no less than 12,225 cases of trachoma and 840 cases of various kinds of cataract were treated during the twelve months. The hospital is in charge of Sir John Strathearn, F.R.C.S.E., who is warden and chief surgeon, and it is largely because of his indefatigable work that its influence is so wide. Besides treating patients it trains Arab nurses to combat and prevent the spread of conjunctivitis and trachoma, which are a major cause of blindness in Eastern countries.

Little has been spent on the hospital for many years, and the time has come when additional accommodation and equipment must be provided. It is felt that not even the difficulties of the present disturbed condition of Palestine can be allowed to delay these improvements, and plans have now been drawn up and approved. Already £12,500 has been subscribed for these extensions, but a further £10,000 is needed to complete them.

THE CLIMATE OF MADEIRA

Monsieur Hugo de Lacerda Castelo Branco has made a comparative study (in French) of the climate of Madeira with that of other typical winter-resorts and an English translation of his work is now available (Delegaçao do Turismo da Madeira. Pp. 118). The author, who is not a medical man, acknowledges his debt to Piéry's "Traité de climatologie biologique et médicale." The outstanding feature of the climate at Funchal is the extraordinary equability of temperature, with only some nine degrees of seasonal range and none of the abrupt changes which are so injurious to invalids in the winter months. The Portuguese authority Narciso, with others, has described such climates as sedative over a wide range of functions, and as favourable to sleep and nutrition. Although often injurious in advanced phthisis, they are generally indicated for various breakdowns and debilities, the result of illness or overwork. How different is the Madeira climate to those of most European resorts is shown by the fact that the winter warmth at Funchal is 64° F., as compared with 53° at Estoril and 46° at Mentone. Although the facts are sufficiently striking, little or no investigation has hitherto been made of the reactions that occur in various types of ill health to climatic influences at the winter health resorts, whether at the coast (as at Funchal) or at various altitudes in the island hinterland. There are indeed no records of weather in the Madeira hills.

STRUCTURE AND FUNCTION IN THE BRAIN

THE medical student who has reached that stage in his study of anatomy when he is faced with the dissection of the brain mostly tackles it without enthusiasm as one of the tasks which fall to the lot of those who have examinations to pass. With the aid of the textbook he carries out an intricate dissection and one by one identifies the structures that he uncovers. But he does not as a rule grasp the significance of the different parts of the brain, and later, when he studies psychiatry, he learns about diseases of the mind that appear to belong to a world without any contacts or associations with what he already knows. A simply worded description of some of the threads which unite the structure of the brain to the way that ordinary men and women behave, and of how disease of the brain can produce pathological alterations of behaviour, may arouse an interest that formal lectures on embryology and neurology have failed to stir. We therefore commend to the student a book,[1] designed for laymen, which will give him a general idea of the origin and of what is known of the function of each of the brain structures that his dissection reveals. It is not the sort of work that a specialist would have written but is none the worse for that, and it makes very good light reading.

FAMILY-DOCTOR BENEFIT

AFTER sixteen years of experience of assisting subscribers to pay the cost of illness the British Provident Association has now devised a scheme for the provision of a grant-in-aid towards the family doctor's bill. Obviously no ordinary subscription is likely to cover the whole cost of general-practitioner treatment; the suggestion is a small extra premium which will entitle the subscriber to assistance up to £35 in respect of any one patient in any subscription year, provided that the subscriber bears the first fifty shillings of the doctor's account. The illness of any dependant under the age of five is not covered by the scheme.

THE HOME AMBULANCE SERVICE

IN the twenty years of its existence the Home Ambulance Service of the Order of St. John and the British Red Cross Society has done much to bring the benefits of modern diagnosis and treatment within the reach of all, even in the most remote country districts. The total number of ambulance stations equipped by the committee of the service is now 132, and a further 275 ambulances are affiliated to it, making 407 in all. The yearly average of cases carried by each ambulance rose from 240 in 1927 to 420 in 1938, and the total of patients carried to 1938 was 170,878. The work of each individual ambulance is, of course, much heavier in thickly populated areas than in the country, and in London the service also undertakes the transport of patients for whom beds have been arranged through the Emergency Bed Service, amounting to some twenty journeys a day.

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CORRIGENDUM.—In an annotation last week (p. 939) on the kidneys and exercise mention was made of an examination of the urine of 18 trained men taking part in the Mount Washington race. The sentence should run: "Of the specimens examined before the effort, 4 showed the slightest trace of albumin and 14 showed *none*."

1. The Story of the Brain: A Layman's Book of the Nervous System. By E. M. FitzAdam-Ormiston. London: William Heinemann. 1939. Pp. 208. 7*s*. 6*d*.

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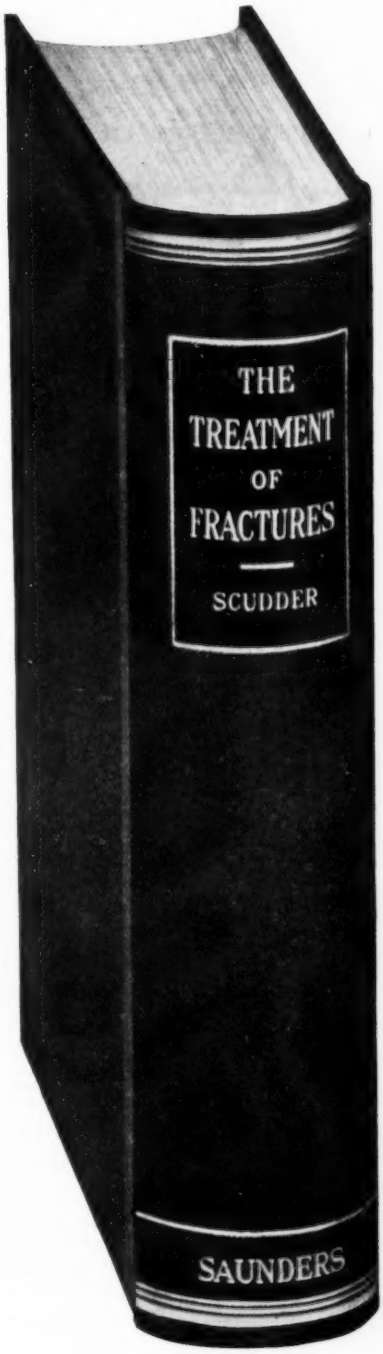

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CASE REPORT.—Girl aged 17. Double congenital deformity of both legs. Right stump originally 6 in. long as measured from the great trochanter but 4 in. of femur were removed, together with a large amount of subcutaneous fat. The left 'leg' is about 12 in. long. Both hips are dislocated.

The x-ray report stated:—"Hips: Congenital dislocation on both sides, and on the right side the head of the femur is separate from the shaft. The legs: On the right side the femur is very imperfectly developed, with a very short and thin diaphysis and the head developed separately from it; the parts below the knee-joint are all very rudimentary. The left shows a fairly well developed femur and tibia, but absent fibula."

Her only means of locomotion had been on her hands and haunches. The sense of balance was entirely lacking. She was gradually accustomed to being off the ground at progressively increased heights until eventually she was able to retain her balance when raised to her normal height of 5 ft. 1 in.

For the deformity on the right the Hanger prosthesis for amputation at the hip joint, as illustrated on pages 49 and 50 of "Solvitur Ambulando" (See Note) was used. The appliance devised for the left 'leg' comprised a blocked leather thigh corset and boot rigidly mounted to a ball-bearing knee joint, a light-metal one-piece shin with ankle joint. Light weight and ample strength combined with practical efficiency were essential.

The following is an extract from an article on this case in the British Medical Journal, 24th Dec. 1938, page 1311:—

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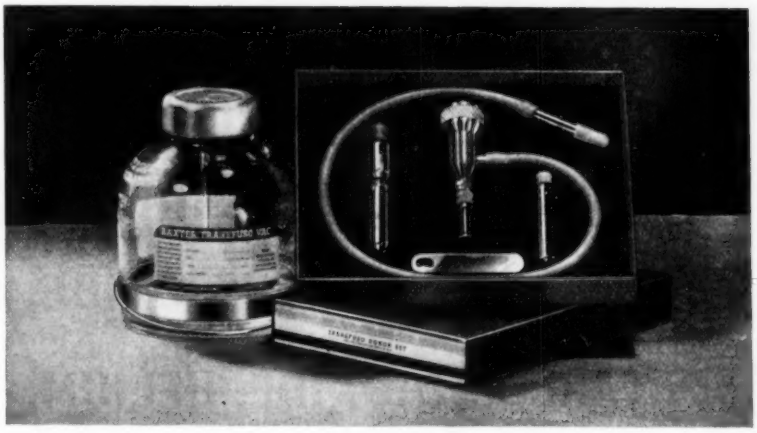

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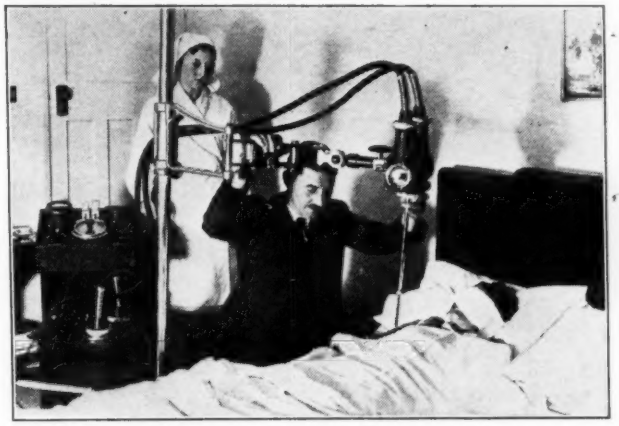

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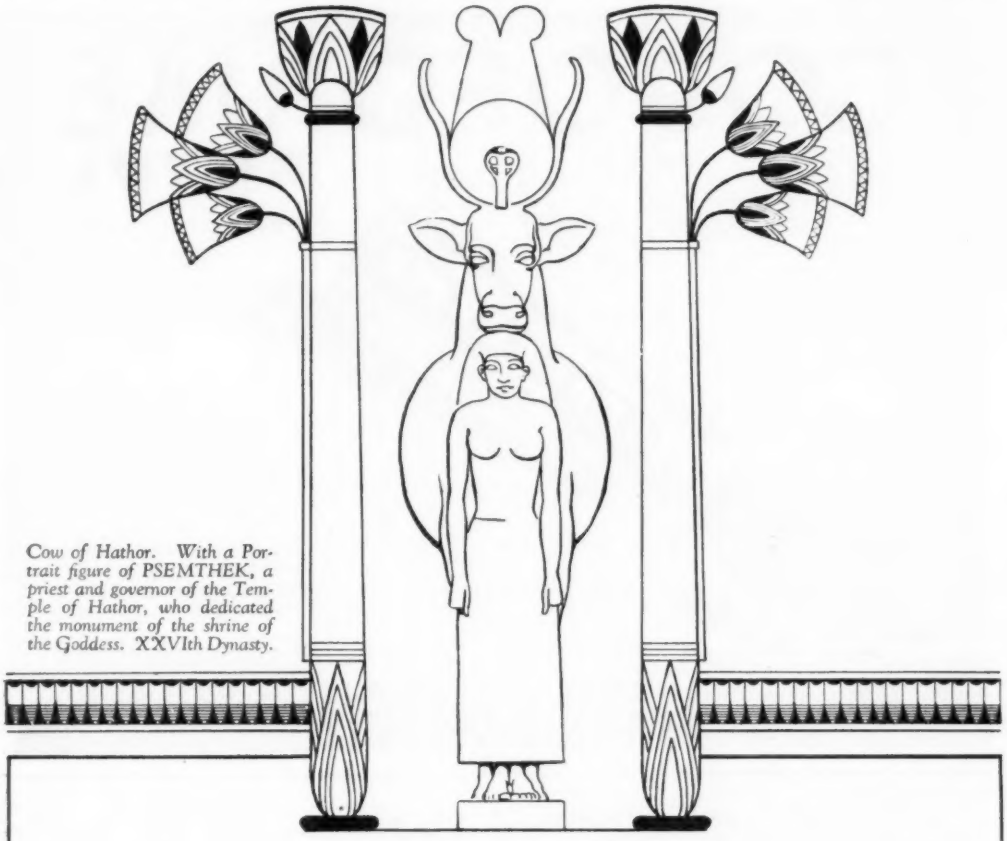

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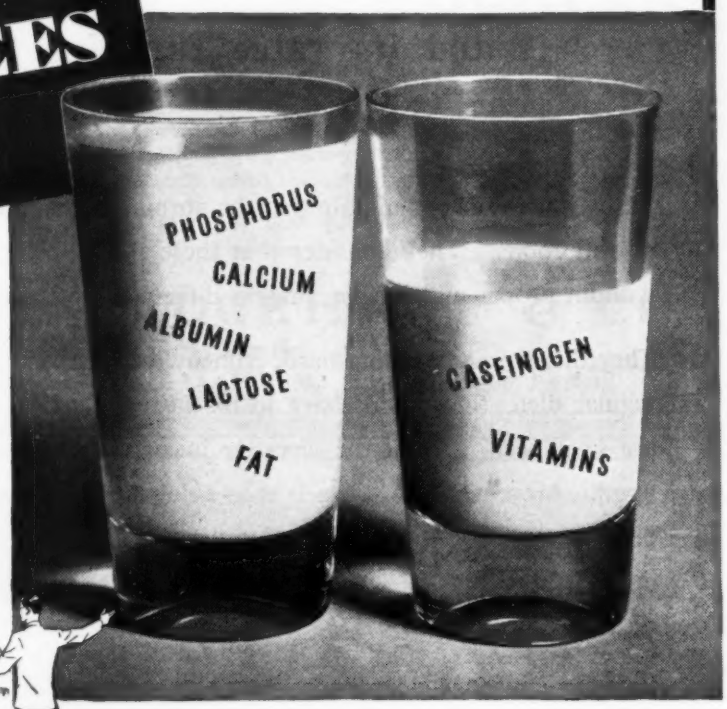

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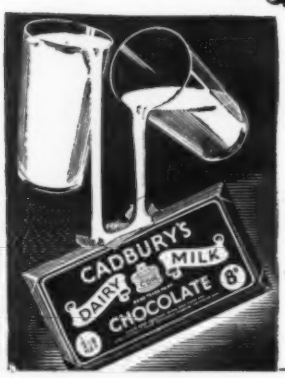

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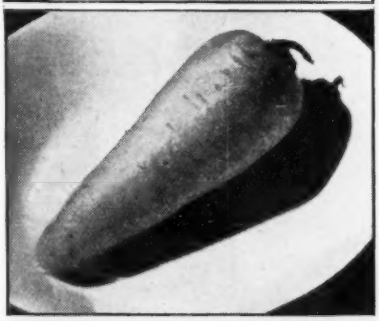

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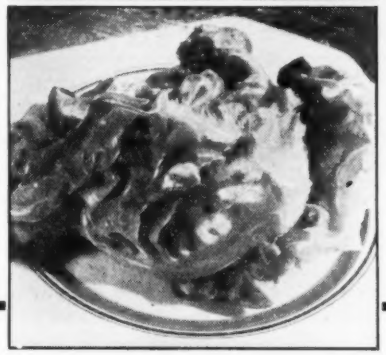

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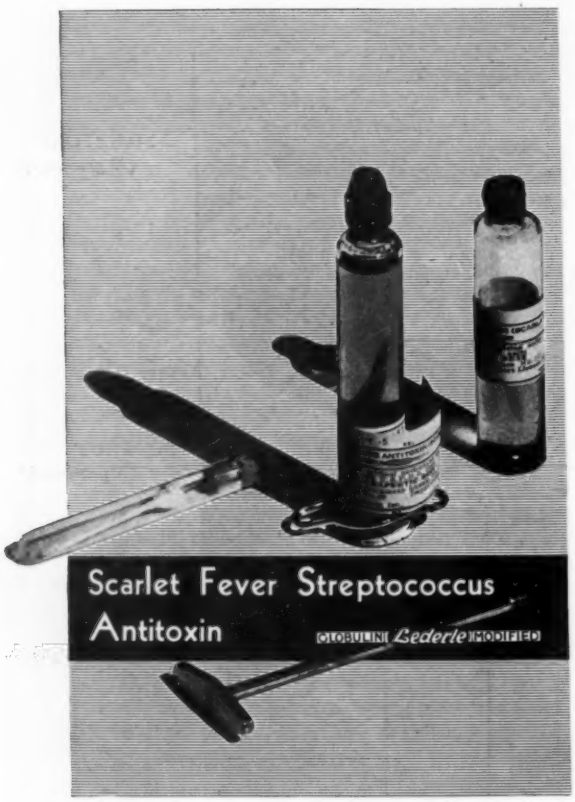

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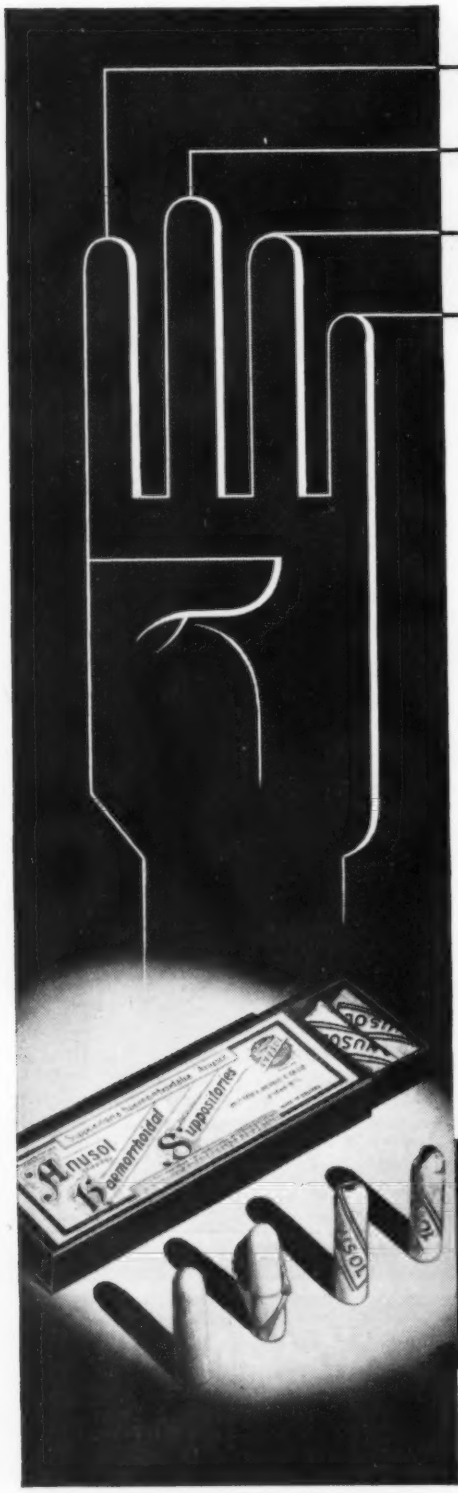

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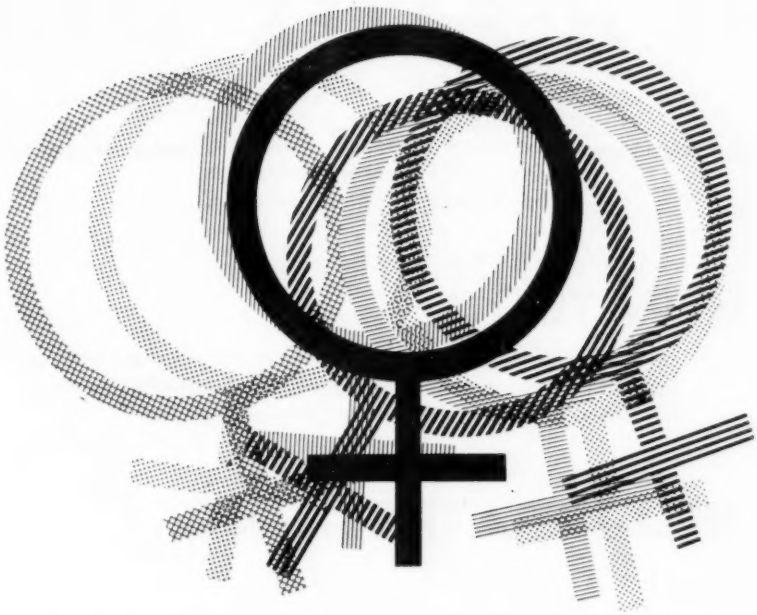

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[1] *British Medical Journal*, 1935, November 16th, p. 938.
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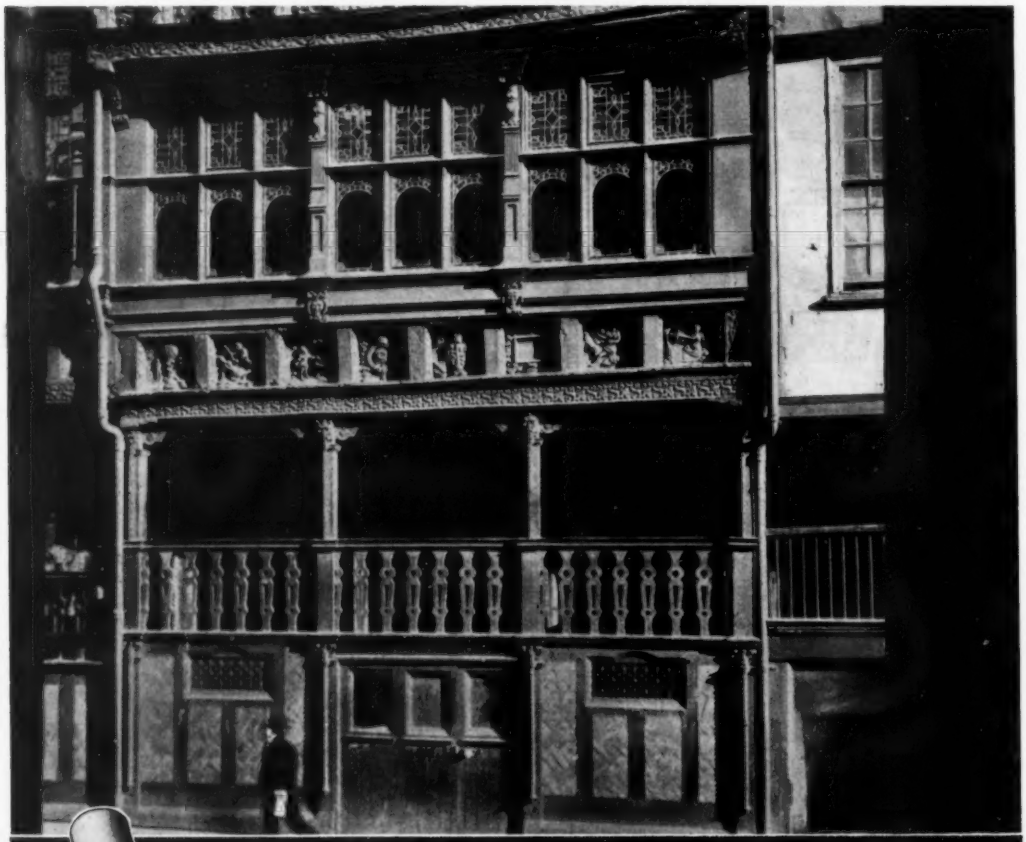

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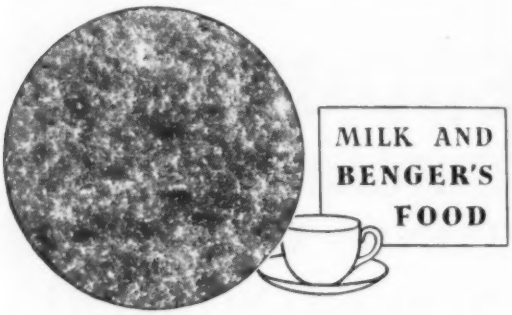

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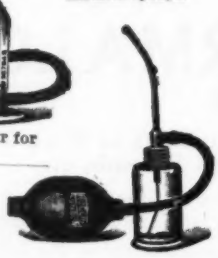

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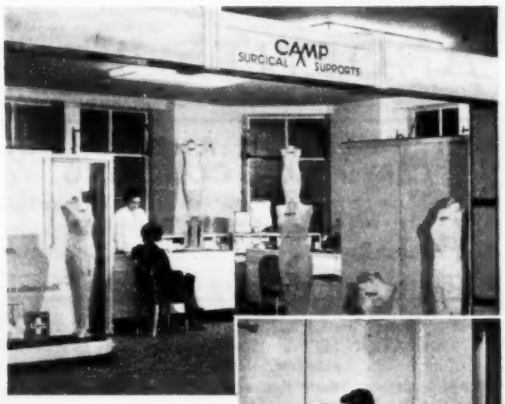

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Subject: PRESENT ASPECTS OF THE CANCER PROBLEM.

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Within two miles of the G.W. and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all other parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 300 acres. Voluntary Patients of both sexes also are received for treatment. Special accommodation is also provided at five villa residences, all of which stand in their own grounds and are entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Physician Superintendent.
Telephone: No. 6207 Gloucester.

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FOR NERVOUS AND MENTAL DISORDERS,

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FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

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This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

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This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

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Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

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The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

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For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephones: Rodney 2641 and 2642.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

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Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

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First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

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For all information apply:
THE SECRETARY,
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Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

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Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a Staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

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For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

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For further particulars apply to the MEDICAL SUPERINTENDENT.

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This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT.

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FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

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FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

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Telephones—STARCROSS 59 and TEIGNMOUTH 289

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Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

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For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

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FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations, *SCHOOLS, FARMING, and various TRADE WORKSHOPS.*

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A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

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For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients suffering from the effects of of alcoholism and drug addiction.

Every facility for complete investigation and individual treatment on the most modern lines. Physiotherapy Department fully equipped for X-ray work, heliotherapy, short-wave therapy, electrotherapy, and hydrotherapy.

Fully equipped gymnasium and indoor swimming pool under qualified instructors. Facilities under special recreational therapists for all indoor and outdoor games, including squash, badminton, table tennis, golf, cricket, football, hockey, lawn tennis, croquet, and bowling. The hospital has its own Church, Library, Cinema, and Café.

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A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

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A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

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A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

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A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

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An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, Farm Produce, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

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HOME for EPILEPTICS, MAGHULL

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FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES:

1st Class (men only) from £5 5s. p.w. upwards.

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A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

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A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

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A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

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A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: **Dr. MADELINE R. LOCKWOOD,**

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Modern Spa Treatments, including Continental Pistany Mud and Scotch Douche, for Rheumatic and similar disabilities. Resident Physician. Excellent amenities and Recreational facilities.

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Unrivalled suites of Baths—Turkish and Russian Baths. Aix and Vichy Douches, Massage; Plombières Treatment. Studa Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

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Applications are invited from registered Medical Practitioners who are engaged in the practice of Radiology. The possession of a recognised diploma in Radiology is desirable.

A certain amount of private work is undertaken in the Department, from which fees accrue to the Honorary Officers of the Department. Particulars of these fees may be obtained from the Director.

Applications, together with copies of three recent testimonials, should reach the undersigned on or before Monday, March 13th.

J. C. BURDETT, Director and House Governor.

15th February, 1938.

London Hospital, E.1.

Applications are invited for the post of SURGICAL FIRST ASSISTANT AND REGISTRAR.

Candidates must be Fellows of the Royal College of Surgeons. The appointment is for one year, but is renewable annually on application for two further periods of one year. Salary £300 per annum payable by the Hospital and Medical College jointly.

Applications should arrive at the Hospital not later than by the first post on Saturday, March 11th.

H. L. MILSOM, Secretary.

London Hospital, E.1.

There is a vacancy for the post of RESIDENT ANÆSTHETIST.

The appointment is for one year, renewable up to three years.

Salary £150 per annum, rising to £200 if appointment renewed.

Applications should be sent to the Secretary, from whom further particulars may be obtained, and should arrive not later than Saturday, March 11th.

H. L. MILSOM, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the office of ASSISTANT PHYSICIAN to the Hospital. Candidates must be Fellows or Members of the Royal College of Physicians, England, and a graduate in Medicine of a recognised British University.

The appointment is made subject to Rules and Conditions laid down by the Charter of Incorporation, details of which can be obtained from the Secretary.

Applications (eighteen copies), with copies of not more than three recent testimonials, should be sent to the undersigned not later than the first post on Tuesday, 7th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of RADIUM THERAPIST (full-time).

Applicants must be registered Medical Practitioners, who hold a diploma in Radiology.

The appointment will be for one year (subject to renewal) commencing on the 1st April, 1939, at a salary at the rate of £650 per annum.

The present Assistant Radium Therapist is an applicant for the post and in the event of his appointment there will be a vacancy for an ASSISTANT RADIUM THERAPIST at a salary of £400 per annum, for which applications are also invited.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the undersigned not later than the first post on Monday, 13th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of full-time ASSISTANT RADIOLOGIST at the Hospital for the DIAGNOSTIC DEPARTMENT.

Applicants must be registered Medical Practitioners who hold a Diploma in Radiology.

The appointment will be for one year commencing on the 1st April, 1939, at a salary at the rate of £350 per annum.

Applications, to be made on a form which will be supplied by the Secretary, together with three recent testimonials, should be sent to the undersigned not later than the first post on Monday, 13th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of full-time ASSISTANT RADIOLOGIST at the Hospital for the THERAPEUTIC DEPARTMENT.

Applicants must be registered Medical Practitioners who hold a diploma in Radiology.

The appointment will be for one year commencing on 16th March, 1939, at a salary at the rate of £350 per annum.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned not later than the first post on Tuesday, 7th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the two posts of SURGICAL REGISTRAR. Candidates must be duly qualified and registered under the Medical Act, and engaged in consulting practice only. Preference will be given to those holding the diploma of F.R.C.S. Eng.

The appointments are made for one year, subject to re-election. Honorarium £150 per annum.

Candidates must call upon each Member of the Medical Committee not later than Monday, 13th March, 1939. A copy of the rules and names and addresses of the Medical Committee may be obtained from the Secretary.

Applications, together with copies only of not more than three recent testimonials, to be sent to the undersigned not later than the first post on Tuesday, 7th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of MEDICAL REGISTRAR. Candidates must be duly qualified and registered under the Medical Act and engaged in consulting practice only. Preference will be given to those holding the diploma of M.R.C.P.

The appointment is made for one year, subject to re-election. Honorarium £150 per annum.

Candidates must call upon each Member of the Medical Committee not later than Monday, 13th March, 1939. A copy of the rules and names and addresses of the Medical Committee may be obtained from the Secretary.

Applications, together with copies only of not more than three recent testimonials, to be sent to the undersigned not later than the first post on Tuesday, 7th March, 1939.

CLEMENT COBBOLD, Secretary.

The Poplar Hospital.

Applications are invited for the appointment of
HONORARY RADIOLOGIST.

The appointment involves two half-days each week and an honorarium is offered of £100 per annum.

Applications, with two references, should be forwarded to the Secretary, Poplar Hospital, East India Dock-road, not later than Thursday, March 2nd, 1939.

D. H. LINDSAY, House Governor and Secretary.

Appointments for Medical Officers in The ROYAL AIR FORCE

Medical men are invited to apply for Short Service Commissions in the Royal Air Force.

Candidates must be registered under the Medical Acts and be not more than 31 years of age on entry.

The period of service is 3 years—extendible to 5 years. A gratuity of £400 or £1,000 is payable at the termination of 3 or 5 years respectively. Permanent commissions are awarded in a number of cases. These offer a pensionable career with the opportunity of extra leave on full pay for specialised study.

Applicants who hold—or are likely to hold—post-graduate appointments in civil hospitals may, on joining the Royal Air Force, be seconded until the termination of their appointments (for a period not exceeding one year) An antedate of commission, up to twelve months, is allowed for appointments held at approved hospitals.

Fuller information can be obtained from The Director of Medical Services, Air Ministry, Kingsway, London.

ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination and will be required to present themselves in London for physical examination and interview on or about the 24th April, 1939. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for permanent commissions in either the Royal Army Medical Corps or the Indian Medical Service. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on the 1st May, 1939.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10. (75 Beds.)

HOUSE PHYSICIAN (Male) required for six months from 1st April, 1939. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned and must reach him not later than Thursday, 16th March, 1939.

H. J. ELEY, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue, North Kensington, W.10. (75 Beds.)

HOUSE SURGEON (Male) required for six months from 1st April, 1939. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned, and must reach him not later than Thursday, 16th March, 1939.

H. J. ELEY, Secretary.

Queen Charlotte's Maternity Hospital,

Marylebone-road, N.W.1.

RESIDENT MEDICAL OFFICER (Male or Female) required for the Isolation Hospital (for Puerperal Fever) at Ravenscourt-square, Hammersmith, W.6, to commence duty on 1st May, 1939.

Appointment for six months, renewable for a further period of six months. The salary is at the rate of £200 per annum, with board, residence and laundry allowance.

Applications, with copies of testimonials, should be sent to the Secretary by the 20th March.

H. B. STOKES, Secretary-Superintendent.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

Required. One HOUSE PHYSICIAN, One HOUSE SURGEON, and One RESIDENT ANÆSTHETIST. The duties of the House Physician will include some work in the Children's Department, and of the House Surgeon some work in the Genito-Urinary Department. These three appointments (Males) are tenable for six months from 1st April next, subject to one month's notice on either side. Salary at the rate of £100 per annum with board and lodging. Candidates must be registered under the Medical Act.

Applications (which must be made on printed forms obtained from me) must reach me not later than first post Thursday, 16th March. Selected candidates will be required to call upon such members of the Medical Staff as directed, to be in attendance at the Medical Council Meeting on Friday, 24th March, at 4.30 P.M., and the House Committee Meeting at 5 P.M. the same day, when the appointments will be made.

H. A. MADGE, Secretary.

British Postgraduate Medical School

(UNIVERSITY OF LONDON).

Wanted on the 1st of April, a JUNIOR ASSISTANT for the DEPARTMENT OF PATHOLOGY, SECTION OF BIOCHEMISTRY. A medical qualification is not essential, but applicants must have had experience in Biochemistry. Stipend £300, rising by annual increments of £50 to £500. The successful candidate will be required to join the Federated Superannuation System for Universities.

Further particulars can be obtained from the Professor of Pathology, British Postgraduate Medical School.

Applications, accompanied by copies of testimonials and the names of two referees should be sent to the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to arrive not later than the first post on Tuesday, March 14th, 1939.

British Postgraduate Medical School.

There are two vacancies for HOUSE SURGEONS to the SURGICAL UNIT, British Postgraduate Medical School, Hammersmith Hospital. The appointments are for six months and are not renewable. Salary at the rate of £105 per annum, with board, residence and laundry. Duties to commence on 1st April, 1939. Duties are mainly in General Surgery. Applicants must have held a previous House appointment.

Applications with copies of testimonials should be sent to the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to arrive not later than the first post on Tuesday, 14th March, 1939.

Hampstead General Hospital,

Haverstock-hill, N.W.3.

Applications are invited from Registered Medical Women for the resident post of CASUALTY MEDICAL OFFICER for six months vacant 1st April at the Out-Patient Department, Bayham-street, Camden Town. Salary £100 per annum.

Applications on the prescribed form with three testimonials, to be returned to the Secretary by 18th March.

University of London.

The Senate invite applications for the UNIVERSITY READERSHIP IN BIOLOGY tenable at ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE. Salary £700 a year.

Applications (twelve copies) must be received not later than first post on 24th March, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

University of London.

The Senate invite applications for the UNIVERSITY CHAIR OF THE PATHOLOGY OF MENTAL DISEASE tenable at the MAUDSLEY HOSPITAL. The Professor also will be appointed by the London County Council to the office of Director of the Central Pathological Laboratory at the Maudsley Hospital and Pathologist to the Council's Mental Services. Salary £1250 a year, with additional allowances in respect of certain responsibilities attached to the appointment of Director.

Applications (twelve copies) must be received not later than first post on 23rd March, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

Royal Society of Medicine.

WILLIAM GIBSON RESEARCH SCHOLARSHIP FOR MEDICAL WOMEN.

This Scholarship of £292 per annum for two years will be awarded in June, 1939, to a qualified Medical Woman (British subject) selected by the Scholarship Committee.

Applications should include schedule of proposed research, two testimonials, and statement of professional training and appointments, and should reach the Secretary, Royal Society of Medicine, 1, Wimpole-street, London, W.1, by June 1st, 1939.

National Temperance Hospital,

Hampstead-road, N.W.1.

Applications are invited for the following post: CASUALTY OFFICER. Salary £120 per annum, board, residence and laundry allowance. The appointment is for a period of six months as from April 1st. Preference will be given to those who have held resident posts.

Candidates must submit applications, stating qualifications, age, &c., with copies of not more than three testimonials, by Friday, March 10th, addressed to the Secretary.

Central London Throat, Nose and Ear

HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANTS IN THE OUT-PATIENT DEPARTMENT.

There are the following vacancies:—

THIRD Assistant for attendance on Mondays at 2 P.M.
THIRD Assistant for attendance on Wednesdays at 2 P.M.
THIRD Assistant for attendance on Saturdays at 11.30 A.M.

The duties are to assist the Surgeons in seeing the patients and the posts are honorary.

Applications, which may be for periods of three, six, or twelve months, should be made to the undersigned.

JOHN H. YOUNG, Secretary-Superintendent.

The Queen's Hospital for Children,

Hackney-road, London, E.2. (160 Beds.)

HOUSE PHYSICIAN required 1st April, 1939.

Six months' appointment. Salary at the rate of £100 per year, with board, lodging and laundry.

Applications must be made on forms to be obtained from the undersigned, and be sent in, with copies of not more than three testimonials, on or before 13th March, 1939.

CHARLES H. BESSELL, Secretary.

4th March, 1939.

Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the following appointment:—

HOUSE SURGEON, vacant April 15th. The appointment is for nine months (six months as House Surgeon and three months as Casualty Officer). Salary at the rate of £70 per annum, with board, residence and laundry.

Applications, with copies of testimonials, should be sent by March 10th to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Chest Hospital,

City-road, E.C.1.
(Royal Northern Group of Hospitals.)

Applications are invited for the following post:—

HOUSE PHYSICIAN (Male). Vacant 1st May for a period of six months. Salary at the rate of £100 per annum, with board, residence and laundry.

Applications, with copies of testimonials, should be sent by the 17th March to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

During 1939 the Secretary of State for the Colonies proposes to select a number of **MEDICAL OFFICERS** to fill vacancies, the majority of which will occur in **TROPICAL AFRICA** and in **MALAYA.**

QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose and throat, venereal diseases, etc.

DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

After they are confirmed, officers become eligible in due course for promotion to higher specialist or administrative posts, with salaries varying from £1200 to £1800.

PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of an officer's salary.

PASSAGES.

Free first-class passages are provided on firs appointment and when returning from leave. Assistance is also given towards family passages.

COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 8, Buckingham Gate, London, S.W.1.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.
General Hospital. (85 Beds.)

CASUALTY OFFICER AND OBSTETRIC HOUSE SURGEON (Male or Female) required for a period of six months as from April 1st, 1939.

Salary at the rate of £110 per annum, with board, residence and laundry (together with £10 to cover all duties during the six months relating to private patients). Previous resident experience desirable, but not essential.

Full particulars may be obtained from the Secretary, by whom applications, with copies of three recent testimonials, should be received not later than 9 A.M., Tuesday, 7th March, 1939.

St. Peter's Hospital for Stone, &c.,

Henrietta-street, Covent Garden, W.C.2.

The office of HOUSE SURGEON will fall vacant on 1st April, 1939, and applications are invited from Male candidates with previous experience in a similar office at a General Hospital. The salary offered is at the rate of £75 per annum, with board, lodging, and laundry.

At the expiration of six months' term of office, and subject to the recommendation of the Medical Committee, the House Surgeon is appointed Resident Surgical Officer for a further similar period. Candidates should therefore be prepared, if successful, to remain at the Hospital for twelve months in all.

Applications, accompanied by copies of testimonials, should be forwarded to reach the undersigned not later than the first post on Tuesday, 7th March, 1939.

BEECHEY ROGERS, Secretary.

The Princess Elizabeth of York

HOSPITAL FOR CHILDREN, Shadwell, London, E.1.
(Formerly East London Hospital for Children)
(135 Beds.)

A HOUSE PHYSICIAN is required on 1st April, 1939, by the above Hospital. Candidates are invited to send in their applications, addressed to the Secretary, not later than first post on Tuesday, March 7th, accompanied by copies of not more than three recent testimonials, and evidence of having held a responsible hospital appointment. The appointment is for six months. Salary at the rate of £125 per annum, with board, residence, and laundry.

Candidates must be properly registered in this country. Forms of application and copies of the rules can be obtained from the Secretary-Superintendent.

St. John's Hospital,

Lewisham, S.E.13.

Applications are invited for the appointment of RESIDENT SURGICAL OFFICER (Male, unmarried) which becomes vacant on 1st April next. Candidates should have been qualified not less than two years and should have had one year's experience of hospital appointments. Preference will be given to those holding a Senior Surgical qualification.

The appointment is for twelve months, at a remuneration of £200 per annum, with the addition of Resident Staff Panel fees. Applications, with copies of testimonials, should reach the undersigned not later than Monday, March 13th.

J. C. GILBERT, Secretary-Superintendent.

Western Ophthalmic Hospital,

Marylebone-road, N.W.1.

Applications are invited for the following Resident posts for six months from 1st May, 1939:—

(1) SENIOR HOUSE SURGEON. Salary at the rate of £150 per annum.
(2) JUNIOR HOUSE SURGEON. Salary at the rate of £100 per annum.

Previous ophthalmic experience desirable.

Applicants for the senior post should state if they are willing to accept the junior post. The Hospital is recognised for the purposes of the D.O.M.S. examinations.

Applications, with copies of three recent testimonials, should reach me as soon as possible, and in any case not later than April 2nd.

H. W. BURLEIGH, Honorary Secretary.

The Hostel of St. Luke (Clergy Nursing Home), 14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.

Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.

Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before 25th March. The successful applicant will be required to take up his duties on 1st April.

Royal College of Surgeons of England.

The Council invite applications for the following Annual Examinerships:—

	Number to be elected.	Number who seek re-election.
FOR THE FELLOWSHIP.		
*Anatomy	4	2
*Physiology	4	3
FOR THE LICENCE IN DENTAL SURGERY.		
Board of Examiners in Dental Surgery (Surgical Section)	6	5
Examiners must be Fellows of the College, and will be required to examine in General Anatomy and Physiology, and in Surgery, Medicine, Bacteriology and Pathology.		
UNDER THE CONJOINT EXAMINING BOARD.		
Elementary Biology	4	3
*Anatomy	3	3
*Physiology	2	1
Midwifery	4	2
Pathology	4	4
Public Health Part I (Bacteriology and Parasitology)	1	1
Public Health Part II	1	1
Pathology and Tropical Hygiene (D.T.M. & H. Part I)	1	1
Tropical Medicine and Surgery	1	1
Ophthalmic Medicine and Surgery	3	3
Psychological Medicine	1	1
Laryngology and Otology	3	2
Medical Radiology	2	2
Anæsthetics	1	1
Child Health	1	1

* Candidates must hold a medical qualification registrable in this country.

Applications must be in writing and must reach the Secretary by Monday, April 3rd.

KENNEDY CASSELS, Secretary.

4th March, 1939.

St. Mary's Hospital, W.2.

SURGICAL REGISTRAR.

The Board of Management invite applications for the above post.

Candidates for the appointment must be registered Medical Practitioners and Fellows or Members of the Royal College of Surgeons of England or Graduates in Surgery of a University in the British Empire.

The salary is £200 per annum, with luncheon and tea.

Copies of the regulations for the Surgical Registrar may be obtained on application to the Secretary's Office.

Applications, with copies of testimonials not exceeding three in number, should reach the undersigned on or before 16th March, 1939.

W. PARKES, House Governor.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

Two HOUSE PHYSICIANS and Two HOUSE SURGEONS are required. Duties to commence on the 18th April, 1939.

The appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by NOON on Monday, the 27th March, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th April, 1939.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

March, 1939.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

The Board of Management propose to elect an HONORARY ASSOCIATE NEUROLOGICAL SURGEON, and invite applications from Fellows of the Royal College of Surgeons of England, who are solely, or mainly, engaged in the practice of Neurological Surgery.

Candidates are required to call upon members of the Honorary Staff and also to attend before the Joint Committee on Wednesday, 22nd March, at 4.45 P.M.

The last date for receiving applications is Monday, 20th March, 1939.

Further particulars are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

March, 1939.

King George Hospital, Ilford (near London). (207 Beds.)

RESIDENT ANÆSTHETIST (Male) required for a period of six months from 1st April. Salary £150 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 20th March.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

King George Hospital, Ilford (near London). (207 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male), for a period of twelve months, with eligibility for reappointment. Fellowship of a Royal College of Surgeons is essential. Salary £250 per annum.

Applications, together with copies of testimonials, should reach the undersigned not later than Tuesday, 14th March.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

London Hospital, E.1.

Applications are invited for the post of SURGICAL OUT-PATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Surgical Out-patient Department on every week-day afternoon.

Applications, with copies of testimonials should arrive at the Hosptal not later than by the first post on Saturday, 11th March. Further particulars may be obtained from the Secretary.

H. L. MILSOM, Secretary.

London Hospital, E.1.

Applications are invited for the post of SENIOR CLINICAL ASSISTANT to the OBSTETRIC AND GYNÆCOLOGICAL OUT-PATIENT DEPARTMENT.

Applications (Male) must have had Post-graduate Ante-natal and Gynæcological experience. The post is eminently suitable for anyone working for a higher degree or diploma in Obstetrics and Gynæcology, as ample time will be available for study together with the amenities provided by this Department and the Medical College. The salary of the post is £200 per annum. Appointment initially for six months, with possible renewal for a further period of six months.

Applications, with copies of testimonials, should arrive at the Hospital not later than by the first post on Saturday, 11th March.

H. L. MILSOM, Secretary.

The Nelson Hospital, Merton, S.W.20.

(84 Beds.)

RESIDENT HOUSE SURGEON (Male, unmarried) required 1st April, 1939, for duties in connexion with Men's and Children's Wards—share casualty work. Appointment for six months in first instance. Salary at rate of £150 per annum, plus usual allowances and fees earned.

Candidates must be British by nationality and birth.

Applications, with copies of recent testimonials, should be sent to the Secretary not later than 20th March, 1939.

University College Hospital Medical SCHOOL.

ASSISTANT IN THE DEPARTMENT OF BACTERIOLOGY.

Applications are invited for the appointment of ASSISTANT in the DEPARTMENT OF BACTERIOLOGY at University College Hospital Medical School, to commence duties on 1st April, 1939. Salary £250 per annum, with superannuation benefits.

Applications, accompanied by copies of three testimonials, should be sent as soon as possible, but not later than Saturday, 18th March, 1939, to the Dean of U.C.H. Medical School, University-street, London, W.C.1.

R. SLOLEY, Secretary.

28th February, 1939.

The Metropolitan Borough of Holborn.

MEDICAL OFFICER (Temporary) required for Maternity and Child Welfare Centre on Monday and Thursday afternoons. Engagement on a sessional basis, £1 11s. 6d. per session.

Previous experience (including ante-natal work) essential.

Applications, on forms to be obtained from me, to be submitted so as to reach me by first post on 23rd March, 1939.

L. WALFORD, Town Clerk.

Town Hall, 197, High Holborn, W.C.1,
28th February, 1939.

St. John's Hospital,

Lewisham, S.E.13.

Applications are invited for the resident appointment of HOUSE PHYSICIAN (Male) tenable for six months from 1st April, 1939, at a remuneration of £100 per annum.

Applications, with copies of testimonials, should reach the undersigned by March 13th.

J. C. GILBERT, Secretary-Superintendent.

West End Hospital for Nervous DISEASES, 73, Welbeck-street, W.1.

Applications are invited from British Male candidates for the post of IN-PATIENT REGISTRAR. Honorarium of £50 per annum. Duties include afternoon attendance at the Wednesday Out-patient Clinic. Candidates must have Neurological experience.

Applications, with copies of three testimonials, should be addressed to the undersigned, from whom further particulars can be obtained, not later than Friday, March 17th.

J. P. WETENHALL, Secretary and House Governor.

London County Council.

ASSISTANT DISTRICT MEDICAL OFFICER required for Area IV, District D (part St. Marylebone and part Paddington).

Provisional salary £150.

Person appointed required to reside in or near district.

Application form with further particulars obtainable (stamped) addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2(B), County Hall, S.E.1, returnable by 11th March, 1939.

Canvassing disqualifies.

Albert Dock Hospital, Alnwick Road,

E.16. (Seamen's Hospital Society).—SECOND RESIDENT MEDICAL OFFICER required for six months from the 1st April. Salary £110 per annum and a proportion of fees, with board, residence, and laundry. Candidates must be male and single.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

13th February, 1939.

The Guest Hospital, Dudley.

(General Hospital—139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

HOUSE SURGEON (Male) required. Duties to commence April 2nd, 1939. Salary at the rate of £150 per annum with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

25th February, 1939.

City of Birmingham.

DUDLEY ROAD HOSPITAL.
(926 Beds.)

Applications are invited from fully qualified Medical Practitioners for whole-time appointment as JUNIOR MEDICAL OFFICER (Male) at the Dudley-road Hospital, Birmingham.

The appointment will be for a period of six months, but may be extended for a further period of not exceeding six months. Salary at the rate of £200 per annum and full residential emoluments.

Further particulars may be obtained from the Medical Superintendent at Dudley-road Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Thursday, 9th March, 1939.

The Prince of Wales's Hospital,

DEVONPORT.
(Formerly Royal Albert Hospital, Devonport.)
(64 Beds.)

There are vacancies for a SENIOR and JUNIOR HOUSE SURGEON at the above hospital. Applications are invited for the same. Salary £130 and £120 per annum respectively, with board, residence, and laundry.

Appointments are tenable for six months and are subject to renewal. Duties to commence 3rd April and 28th March respectively. Applicants must be registered under the Medical Acts.

The hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Applications, stating age and qualifications, with copies of three recent testimonials, must reach the undersigned by the 10th March.

ARTHUR R. CASH, General Superintendent.

Prince of Wales's Hospital, Greenbank-road, Plymouth,
20th February, 1939.

Middlesex County Council.

WEST MIDDLESEX COUNTY HOSPITAL,
Twickenham-road, ISLEWORTH, MIDDLESEX.

Non-resident CASUALTY MEDICAL OFFICER, registered Medical Practitioner, with considerable all-round experience and as House Physician and House Surgeon in general hospital. Whole-time duties, under supervision of Medical Superintendent, include dealing with casualties and admissions to hospital. Appointment, subject to medical examination, is primarily for six months, but may be extended further six months. Salary £350, with £100 per annum non-resident allowance.

Written applications, stating age, qualifications, and experience, with copies of not more than three recent testimonials, to the undersigned by 11th March, 1939.

Canvassing, directly or indirectly, disqualifies.

C. W. RADCLIFFE, "B.3" Clerk of the County Council.

Guildhall, Westminster, S.W.1.

Royal United Hospital, Bath.

HOUSE SURGEON required (Obstetrics and Gynæcology and Anæsthetics). Duties to commence March 15th.

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, stating age, qualifications, and experience, together with a copy of three testimonials, to be addressed to the undersigned by March 7th.

J. LAWRENCE MEARS, Secretary-Superintendent.

20th February, 1939.

The Royal Hospital, Sheffield.

(392 Beds.)

Applications are invited for the post of whole-time CLINICAL ASSISTANT in the Medical Service of this Hospital. Applicants should be interested in psychological medicine though they need not hold the D.P.M.

Salary £300 per annum, non-resident.

Appointment in the first instance for one year.

W. H. BOOTH, Superintendent and Secretary.

City of Manchester.

CRUMPSALL HOSPITAL.
(1400 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named hospital.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service. The duties of the appointment are mainly of a medical nature.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for the post must be received by him not later than March 18th, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 28th February, 1939.

Royal Berkshire Hospital, Reading.

(338 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN (Male) which falls vacant on April 22, 1939.

Appointment is for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience with copies of testimonials, to be sent to the undermentioned on or before March 20, 1939.

H. E. RYAN, Secretary and House Governor.

Royal South Hants and Southampton

HOSPITAL. (295 Beds.)

Applications are invited for the following appointments:—

One RESIDENT ANÆSTHETIST.

One HOUSE SURGEON to the general surgical and ear, nose, and throat wards.

for the six months commencing 1st April, 1939, each at a salary of £150 per annum, with board, residence, and laundry. Candidates must be Male and unmarried.

Applications, accompanied by not more than three testimonials, should be sent to the undersigned not later than Thursday, 16th March.

S. W. BARNES, House Governor and Secretary.

Derbyshire County Council.

BRETBY HALL ORTHOPÆDIC HOSPITAL.
(147 Beds.)

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Junior Resident Assistant Medical Officer at the above Institution. Preference will be given to candidates who have held resident Hospital appointments, and who are competent anæsthetists. Orthopædic experience is not essential, but will be considered an additional qualification.

Salary at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, with board, residence, and laundry.

The successful candidate will devote the whole of his time to the duties of his office.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the person appointed will be required to pass a medical examination.

Application forms may be obtained from the undersigned to whom they must be returned, together with copies of not more than three recent testimonials, on or before 18th March, 1939.

W. M. ASH, County Medical Officer.

New County Offices, Derby, 27th February, 1939.

Cornwall County Council.

EDUCATION DEPARTMENT.

Applications are invited for the post of a SCHOOL MEDICAL INSPECTOR to act under the School Medical Officer in carrying out inspections of school-children and such other duties as may be required by the Education Committee. Candidates should be specially experienced in ophthalmology and be qualified to undertake all school refractions.

The commencing salary will be £600, rising by annual increments of £25 to £700 a year, with travelling allowance on the County Scale.

Applications, stating age, qualifications, and experience, with copies of three recent testimonials, should be sent to the County Medical Officer, County Hall, Truro, by the 15th March.

T. A. H. SHEERS, Clerk of the County Council.

County Hall, Truro, 15th February, 1939.

Melton Mowbray Urban District

COUNCIL.
MELTON AND BELVOIR RURAL DISTRICT COUNCIL.
BILLESDON RURAL DISTRICT COUNCIL.
OAKHAM URBAN DISTRICT COUNCIL.
OAKHAM RURAL DISTRICT COUNCIL.
UPPINGHAM RURAL DISTRICT COUNCIL.

APPOINTMENT OF WHOLE-TIME MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners not exceeding forty-five years of age who are also registered in the Medical Register as holders of a Diploma in Sanitary Science, Public Health or State Medicine for the above appointment.

The appointment will be made subject to the approval of the Minister of Health, the provisions of Section 110 of the Local Government, 1933, and the Sanitary Officers (Outside London) Regulations, 1935.

The person appointed will be required to commence his duties on the 1st April, 1939, or such later date as may be agreed and devote the whole of his time to the performance of the duties of the office.

He will not be permitted to engage in private practice as a Medical Practitioner, will be required to enter into an Agreement with each authority and to reside within a prescribed portion of the area.

The salary will be £800 per annum, plus a motor-car allowance.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Applications, endorsed "Medical Officer of Health" which should be made on the forms to be obtained from the undersigned, should reach this office on or before the 7th March, 1939.

A. P. MARSH, Clerk.

Melton and Belvoir Rural District Council, 10, High-street, Melton Mowbray, Leicestershire.

17th February, 1939.

Norfolk and Norwich Hospital,

NORWICH.

APPOINTMENT OF HONORARY PHYSICIAN.

The Board of Management hereby gives notice that there is a vacancy for an Honorary Physician, which will be filled on Tuesday, the 21st March, at 4.30 P.M.

Candidate for the office of Physician shall produce evidence of being Doctors in Medicine of one of the Universities of the British Empire or Members of the Royal College of Physicians of London and of being registered according to the provisions of the Medical Act. Applications, with copies of testimonials, must be sent not less than seven days before the day of election to the undersigned. There is no Assistant Physician who will be an applicant for this appointment.

By order of the Board of Management,

FRANK INCH, House Governor and Secretary.

24th February, 1939.

Royal Surrey County Hospital,

GUILDFORD.
(216 Beds.)

Wanted: TWO HOUSE SURGEONS (Male). 1st April, 1939

(*a*) General Surgery, Orthopædic and part Casualty duties.
(*b*) General Surgery, Gynæcological and Ophthalmic.

Six months' appointment: recognised for F.R.C.S. examination. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars, with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than first post on 10th March.

Kent and Canterbury Hospital,

CANTERBURY.
(183 Beds. 4 R.M.O.'s.)

HOUSE SURGEON required, Male, unmarried. Six months' appointment (minimum), commencing middle of March, 1939. Salary £125 per annum, with board, residence, and laundry. The Hospital is recognised under F.R.C.S. regulations.

Applications, together with copies of testimonials, should be sent immediately to the undersigned.

J. F. KENT, Superintendent and Secretary.

County Borough of Smethwick.

SENIOR ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

The Council invite applications from qualified Medical Men for the combined post of Senior Assistant Medical Officer of Health and Assistant School Medical Officer. The officer will rank next in seniority to the Deputy Medical Officer of Health.

The salary will be at the rate of £650 per annum, rising, subject to satisfactory service, by annual increments of £25 to a maximum of £800 per annum. If unmarried the officer will be required to reside at the Isolation Hospital and a deduction of £150 per annum will be made in respect of board, residence, and laundry.

The officer appointed will work under the general supervision and control of the Medical Officer of Health and School Medical Officer, and will be required to render assistance in the general work of the department. The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the selected candidate will be required to pass a medical examination.

Forms of application may be obtained from the Medical Officer of Health, Public Health Department, Hales-lane, Smethwick, to whom applications, endorsed "Senior Assistant Medical Officer of Health and School Medical Officer" and accompanied by copies of three recent testimonials, must be delivered not later than 11th March, 1939.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 20th February, 1939.

IRAQ GOVERNMENT

APPOINTMENT OF EAR, NOSE, AND THROAT SPECIALIST.

The Iraq Government invite applications from British Specialists for the above appointment of which the following are the particulars:—

Duties.—To be Lecturer on Ear, Nose, and Throat diseases in the Royal College of Medicine, Baghdad, and chief of one of the units for these diseases at the Royal Hospital, Baghdad.

SALARY.—Iraq Dinars 150 per mensem.

Age must not exceed forty-five years. The successful candidate will be required to enter into contract for a period of five years. Consultant practice is allowed provided that it does not interfere with the performance of official duties. The teaching at the Medical College is in the English language.

One Iraq Dinar is equivalent to One Pound Sterling.

Salary will be subject to Iraq Income-tax which is: 150 Dinars exempt, the next 150 Dinars subject to 6 per cent. tax, and the remainder of the income 9 per cent.

Forms of application and copies of the form of contract can be obtained from the Iraq Minister, Royal Iraq Legation, 22, Queen's-gate, London, S.W.7. Particulars as to the Provident Fund, leave, and passage allowance are given in the form of Contract.

No application can be considered unless received on the prescribed form.

UNIVERSITY OF OXFORD

LORD NUFFIELD'S BENEFACTION FOR THE ADVANCEMENT OF MEDICINE

FIRST ASSISTANT IN THE DEPARTMENT OF ANÆSTHETICS.

Applications are invited for the whole-time post of First Assistant in the Department of Anæsthetics.

The successful candidate will be required to assist the Nuffield Professor of Anæsthetics at the Radcliffe Infirmary and to carry out research work in his Department. The appointment will date from 1st May, 1939, or such near date as may be arranged, and will be terminable by three months' notice on either side. The salary offered is £600 a year.

Candidates, who must hold a Medical qualification registrable in Great Britain, must send their applications and the names of three referees to the Secretary of Faculties, University Registry, Oxford, so as to reach him not later than Friday, 31st March, 1939.

All inquiries about the post should be addressed to Professor Macintosh, Radcliffe Infirmary, Oxford.

Hull Corporation Health Department.

BEVERLEY ROAD INSTITUTION (HOSPITAL). (400 Beds.)

MALE ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment from duly qualified Medical Men, who must be single, and under the age of forty years.

Salary £350 per annum, rising by annual increments of £25 to £450 per annum, together with board, residence and laundry.

The hospital is equipped with X-ray and Ultra-violet Light Departments.

The appointment is subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, on forms to be obtained from the undersigned, are returnable not later than 10 A.M. on Monday, March 13th, 1939.

NICOLAS GEBBIE, M.D., Medical Officer of Health.

Health Department, Guildhall, Hull, February 21st, 1939.

City of Peterborough Education COMMITTEE.

TEMPORARY PART-TIME SCHOOL OCULIST.

Applications are invited from registered Medical Practitioners possessing special training in Ophthalmology for the above appointment.

The appointee would be expected normally to attend at the Town Hall once per week to undertake refractions and any other eye condition referred to him amongst school-children (and occasional squint cases amongst children of pre-school age), prescribing glasses, and checking suitable dispensing of same.

A room adapted to refractive work is provided in the Town Hall for the use of a School Oculist, together with certain essential equipment.

The appointee would be on the Medical Officer's staff.

The appointment is deemed suitable for registered Medical Practitioners on leave from Colonial Stations who are at an advanced stage of their course for the Diploma in Ophthalmology.

The fee stipulated by the British Medical Association —viz., 2½ guineas per session—will be paid together with any out-of-pocket travelling expenses necessarily incurred.

Applications, stating degree or diplomas held (or for which study is being pursued), age, experience and copies of any testimonials, to be sent to the Medical Officer of Health, Town Hall, Peterborough, not later than Wednesday, the 15th March, 1939.

ARTHUR J. REEVES, Town Clerk.

Oxford County and City Mental HOSPITAL.

FIRST ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above-mentioned position. Applicants should be under forty years of age, have had some previous Mental Hospital experience and possess the Diploma in Psychological Medicine.

The officer appointed must be prepared to assist at the clinics for the out-patient treatment of mental illness in the City of Oxford.

Commencing salary £500 per annum (including £50 for D.P.M.) rising by four annual increments of £25 to £600 per annum, together with house, light, fuel and garden produce, valued for superannuation purposes at £100 per annum.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act. The successful candidate will be required to pass a medical examination.

Applications, accompanied by copies of not more than two recent testimonials, should be sent to the Medical Superintendent, Littlemore Hospital, Nr. Oxford, before the 18th March, 1939.

The Royal Sussex County Hospital, BRIGHTON. (272 Beds.)

A MAYO FELLOWSHIP IN ANÆSTHETICS has been established at The Royal Sussex County Hospital tenable in the first instance for twelve months. The Nuffield Professor of Anæsthetics in the University of Oxford will be associated with all matters appertaining to this appointment, and in particular will supervise research work, facilities for which will be provided in the Hospital and in the Stephen Ralli Memorial Laboratory.

The Mayo Fellow will be in charge of the anæsthetic department, under the Honorary Anæsthetists. He will rank as Senior Resident Medical Officer, and as such will have certain administrative duties assigned to him.

The Fellowship is of the value of £300 per annum, with board, residence and laundry.

The candidate appointed will be expected to assume duty on the 1st May, 1939.

Applications, with copies of testimonials, should be sent not later than the 31st March, 1939, to the undersigned, from whom further particulars can be obtained if required.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

County Borough of Ipswich.

IPSWICH BOROUGH GENERAL HOSPITAL

MEDICAL SUPERINTENDENT.

Applications are invited from fully qualified Medical Practitioners under forty-five years of age for the appointment of Medical Superintendent (Non-resident) at the Ipswich Borough General Hospital.

Preference will be given to applicants who have held resident Surgical and Medical posts and have had experience in the administration of a General Hospital.

The inclusive salary will be £900 per annum, rising by biennial increments of £50 to £1100 per annum.

The appointment will be terminable by three months' notice on either side.

Applications, stating age, experience and qualifications, accompanied by copies of not more than three recent testimonials and endorsed "Medical Superintendent," should be received by the undersigned not later than the 18th March, 1939.

Forms of applications with conditions of service may be obtained from the Medical Officer of Health, Elm-street, Ipswich.

A. MOFFAT, Town Clerk.

Town Hall, Ipswich, 23rd February, 1939.

Bucks County Council.

APPOINTMENT OF COUNTY MEDICAL OFFICER AND SCHOOL MEDICAL OFFICER.

Applications are invited for the post of County Medical Officer combined with the post of School Medical Officer for the County of Buckingham at a salary of £1200 per annum, rising by annual increments of £50 to £1400 per annum, with travelling expenses on the County Council's scale. After fifteen years' service a further increase of £100 per annum would be granted.

Applicants must be duly qualified Male Medical Practitioners registered in the Medical Register as holding a Diploma in Sanitary Science, Public Health or State Medicine. The duties will be as prescribed by statute, any rules, orders or regulations made thereunder and such other public health or school medical duties not incompatible with the above as the Council may direct. The officer will be required to devote his whole time to the duties of the post.

The Local Government Superannuation Act, 1937, will apply, and the officer will be required to pass satisfactorily a medical examination.

Forms of application, together with the terms of appointment, may be obtained from the undersigned, and must be returned to the undersigned at the County Hall, Aylesbury, together with copies of not more than three recent testimonials by 10 A.M. on Saturday, the 18th day of March, 1939.

Canvassing will disqualify.

GUY R. CROUCH, Clerk of the Bucks County Council.

County Hall, Aylesbury, 23rd February, 1939.

City and County of the City of Exeter.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the above appointment. The appointment carries with it a commencing salary of £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum, subject to the appropriate deductions in accordance with the provisions of the Local Government Superannuation Act, 1937.

The successful candidate will be required to pass a medical examination.

Candidates, of either sex, whose age should not exceed thirty-five years, must be fully qualified and registered Medical Practitioners, possess the Diploma in Public Health or an equivalent qualification and must also produce evidence of special skill and experience in dental anæsthesia.

The principal duties will be in connexion with the school medical, maternity, and child welfare services of the Council and the officer appointed will be required also to undertake such other public health duties as may be assigned to him or her.

Application forms and particulars of the appointment may be obtained from the undersigned and should be returned endorsed "Assistant Medical Officer of Health" and accompanied by copies of three recent testimonials, to be received by me not later than the 15th March, 1939.

Canvassing will disqualify.

C. J. NEWMAN, Town Clerk.

10, Southernhay West, Exeter, March, 1939.

County Council of the West Riding of YORKSHIRE. SCALEBOR PARK MENTAL HOSPITAL, BURLEY-IN-WHARFEDALE, near ILKLEY.

The Visiting Committee of the Scalebor Park Mental Hospital for private patients invite applications from duly registered Medical Practitioners for the appointment of MEDICAL SUPERINTENDENT at the Scalebor Park Mental Hospital (280 Beds).

Applicants must have had previous experience as the Medical Superintendent or a Senior Medical Officer of a Mental Hospital and possess the Diploma in Psychological Medicine.

The minimum and maximum salaries fixed for the position are £1000 and £1400, with an unfurnished house, the annual increments being £50. The commencing salary to be paid will be within the limits of £1000 and £1250 according to qualifications and experience to be fixed at the discretion of the Visiting Committee.

Further particulars and form of application may be obtained from the undersigned, by whom all applications, together with copies of not more than three recent testimonials, must be received not later than the 27th March, 1939.

J. CHARLES MCGRATH, Clerk to the Visiting Committee.

County Hall, Wakefield, February, 1939.

County Mental Hospital, Rainhill, LANCS.

Wanted, ASSISTANT MEDICAL OFFICER (Male). Salary £550 per annum, rising to £600 after one year's satisfactory service. The successful applicant will be expected to obtain a diploma in Psychological Medicine within two years of appointment, on obtaining which an additional £50 per annum will be paid.

In the case of the successful candidate being single, a deduction of £150 per annum is made from the salary for board, furnished apartments, attendance and washing, but in the case of a married man being appointed, an unfurnished house on the estate can be provided at a rental of £50 per annum.

Facilities for Laboratory and Research work. Preference given to one who has held a resident post in a General Hospital.

Applications, with testimonials and full particulars, to be sent to the Medical Superintendent and to be received not later than Thursday, 16th March, 1939.

Chesterfield and North Derbyshire

ROYAL HOSPITAL, CHESTERFIELD.
(220 Beds.)

The Elective Committee of this Hospital invites applications for the appointment of HONORARY CONSULTING SURGEON AND DIRECTOR of the EAR, NOSE AND THROAT DEPARTMENT.

Candidates must be Fellows of the Royal College of Surgeons.

The appointment, which is for a period of five years and may be extended, will entail attendance at the Hospital on one day per week and availability for consultation as necessary.

Candidates should make written application for the appointment, such application to be received by the undersigned by or before the first post on Friday, 17th March, 1939.

Candidates shall not canvass members of the Committee but may send seventy copies of application and testimonials for distribution to them.

M. H. BOONE, Superintendent and Secretary.

3rd March, 1939.

Royal West Sussex Hospital,

CHICHESTER.
(114 Beds, including 12 in Private Patients' Block. Two Residents.)

JUNIOR HOUSE SURGEON required on the 18th March, 1939.

Salary at the rate of £125 per annum, with board, residence and laundry.

Applications should be sent to the undersigned immediately, together with not less than three recent testimonials, stating age, nationality, experience and qualifications. Promotion may be made to the post of Senior House Surgeon which will fall vacant in a short time.

By Order of the Board of Management.
J. COXON INCE, Secretary.

25th February, 1939.

East Suffolk and Ipswich Hospital.

(350 Beds. 8 Residents.)

Wanted, 1st April, CASUALTY OFFICER, also HOUSE SURGEON to the EAR, NOSE AND THROAT DEPARTMENT and to an Assistant Surgeon.

Salary for each office at the rate of £144 per annum, with board, apartments and laundry.

Applications from British male candidates, together with copies of three recent testimonials, to be sent to the undersigned immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 4th March, 1939.

The Royal Infirmary, Sunderland.

(288 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to the FRACTURE AND ORTHOPÆDIC DEPARTMENT for a period of one year in the first instance at a salary of £225 per annum, with board, residence, laundry, &c.

Candidates must have had good experience as a House Surgeon and previous Orthopædic experience is desirable.

Applications, stating age, nationality, and qualifications, and accompanied by copies of three testimonials, should be sent to the undersigned not later than 24th March, 1939.

M. J. HUNTLEY, House Governor and Secretary.

The Royal Infirmary, Sunderland.

LOCUM RESIDENT SURGICAL OFFICER (Male) required from April 1st to July 14th, 1939.

Applicants should have a higher surgical qualification or special surgical experience.

Salary £250 per annum, with board, residence and laundry.

Applications, stating age, training, qualifications and experience and accompanied by copies of testimonials, should be sent to the undersigned.

M. J. HUNTLEY, House Governor and Secretary.

Hounslow Hospital, Staines Road,

HOUNSLOW, MIDDLESEX.

HOUSE PHYSICIAN AND CASUALTY OFFICER.

Applications are invited from Male Registered Practitioners of British nationality for the above post. The appointment is for six months from 1st April, 1939, with eligibility for appointment for a further period. Salary £100 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, should be sent to the undersigned not later than first post on Saturday, 18th March.

A. MOWBRAY BARKER, Secretary.

University of Leeds.

The Council will shortly proceed to the appointment of a TUTOR IN OBSTETRICS AND GYNÆCOLOGY. Salary £500 a year. Candidates should have resident experience in both subjects and should be Fellows of the Royal College of Surgeons (England).

Further particulars may be obtained from The Registrar, The University, Leeds, 2, who will receive applications for the appointment up to the 24th March.

County Borough of Eastbourne.

APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND DEPUTY SCHOOL MEDICAL OFFICER.

The Council invites applications from duly qualified registered Medical Practitioners for the above appointment.

The duties will especially include the medical inspection of school-children and attendance at the Clinics in connexion therewith, and attendance at the Maternity and Child Welfare Clinics. The Officer appointed will also assist the Medical Officer of Health in other duties when required.

Preference will be given to candidates who have had previous experience in similar duties. The age of candidates must not exceed forty-five years.

The salary will be at the rate of £600 per annum, rising by annual increments of £25 to a maximum of £700 per annum, together with a car allowance of £75 per annum.

The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination.

Forms of application can be obtained from the undersigned to whom applications, accompanied by copies of not more than three recent testimonials, must be sent not later than 12th March, 1939.

Canvassing, either directly or indirectly, will be a disqualification.

W. G. WILLOUGHBY, Medical Officer of Health.

Avenue House, The Avenue, Eastbourne.

NEW ZEALAND

UNIVERSITY OF OTAGO.

LADY KING SCHOLARSHIP.

Applications are invited for the appointment of a Lady King Scholar. The Scholarship was instituted by The Plunket Society to permit of research work being carried on in infant nutrition. The value of the Scholarship is £600 and its tenure is for a year, but may be increased by one further year.

For additional particulars apply to the High Commissioner for New Zealand, 415, Strand, London, W.C.2, by whom completed applications will be received up to the 18th March, 1939.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT ANÆSTHETIST AND EMERGENCY OFFICER (Male). The appointment will be for three months from April 1st, 1939. Salary at the rate of £130 per annum, with board, residence, and laundry.

Candidates, who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, March 8th, 1939.

J. A. BEARDSALL, Secretary-Superintendent.

St. Anne's Hospital, Altrincham,

CHESHIRE.

Applications are invited from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Ear, Nose, and Throat Hospital (50 beds). Salary £200 per annum, with board, apartments, &c. The appointment is for six months and is renewable. The post offers ample facilities for post-graduate studies.

Applications, with copies of testimonials, to be sent not later than 11th March to W. HUNT, Secretary, 45, Hardman-street, Manchester 3.

Royal Hospital, Richmond, Surrey.

Applications are invited for the following post which falls vacant on the 20th March, 1939.

RESIDENT MEDICAL OFFICER (Male) (senior of three), £200 per annum. The Hospital is officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons of England.

Board, furnished apartments, and laundry.

Candidates must be fully qualified, registered, and single.

Form of application can be obtained from the undersigned.

G. M. EDEN, Secretary-Superintendent.

Medical Superintendent, Tilbury HOSPITAL, ESSEX. (92 Beds.).—The Committee of Management of the Seamen's Hospital Society invite applications for this appointment, falling vacant on the 1st April. The appointment will be for one year in the first instance but may be renewed for two further periods of one year each to a maximum of three years. Commencing salary £200 per annum, with board, residence, supplemented by certain financial emoluments. Candidates must be Male, single, and not more than thirty-five years of age. Previous operative experience essential.

Applications, with copies of not more than three recent testimonials, to be sent in or before Wednesday, the 8th March, to the undersigned, from whom further particulars may be obtained.

F. A. LYON, Secretary,
Seamen's Hospital, Greenwich, S.E.10.

13th February, 1939.

County Borough of Huddersfield.

ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the above post, for which a good knowledge of diseases of children is essential. Experience in bacteriology or in mental deficiency work would be considered an additional qualification.

Salary according to scale—£500 per annum, increasing by £25 per annum to £700. The commencing salary will be based on the candidate's previous experience.

The post is designated under the Superannuation Act, 1922, and the appointment, therefore, is subject to a satisfactory medical examination.

Applications, stating age and giving full particulars regarding training, qualifications, and appointments held since qualification, should be forwarded to the Medical Officer of Health, along with copies of two recent testimonials, so as to reach him not later than Thursday, the 16th March, 1939.

East Sussex County Council.

APPOINTMENT OF MEDICAL OFFICER AND PUBLIC VACCINATOR OF THE BATTLE PUBLIC ASSISTANCE INSTITUTION AND TEMPORARY DISTRICT MEDICAL OFFICER FOR THE PARISHES OF ASHBURNHAM, BATTLE, CATSFIELD, AND PENHURST.

Applications are invited from qualified Medical Practitioners for the above part-time appointments. The salary of the post of Medical Officer of the Battle Institution will be at the rate of £100 per annum with extra fees for special medical services. Payment for services as Temporary District Medical Officer has been fixed at the rate of £90 per annum.

A fee of 2s. 6d. per case is payable for services as Public Vaccinator at the Institution.

The officer appointed must reside within one of the above parishes or undertake to reside therein within three months after appointment unless he obtains the consent of the County Council to reside elsewhere for special reasons.

The appointments are subject to the Poor Law and Vaccination Acts and Orders.

Forms of application and particulars of appointment may be obtained from the County Medical Officer of Health, County Hall, Lewes, to whom applications must be sent to reach him by Saturday, the 18th March, 1939.

H. S. MARTIN, Clerk of the County Council.

County Hall, Lewes.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL. 350 Beds.

ASSISTANT MEDICAL OFFICER (RESIDENT).

Applications are invited from single gentlemen, duly qualified for appointment as Assistant Medical Officer at the above Hospital, which contains Medical, Surgical, Maternity, Children's and Isolation Departments, and is modernly equipped.

Experience in anæsthetics, a knowledge of clinical pathology and previous hospital experience will be deemed additional assets.

Salary will be at the rate of £200 per annum, with apartments, board, attendance, &c.

The appointment will be limited to a term not exceeding one year.

Further information as to duties, &c., may be obtained from the Medical Officer of the Hospital.

Applications, stating age, qualifications, and nationality together with copies of recent testimonials, should be addressed to :—

A. G. ALDRIDGE, Public Assistance Officer.

Stafford-street, Wolverhampton.

Warrington Infirmary and Dispensary.

The post of THIRD RESIDENT will fall vacant on 1st April, 1939, and applications are invited from Male candidates, who must be duly qualified Medical Practitioners and unmarried. Salary at the rate of £150 per annum, with board, lodging and laundry.

At the expiration of six months' term of office and subject to the recommendation of the Medical Board the Third Resident is appointed Second Resident (salary £175 per annum) and then Senior Resident (salary £250 per annum) for similar periods. Candidates should therefore be prepared, if successful, to remain at the Hospital for eighteen months in all.

Applications, stating age and qualifications, accompanied by copies of three recent testimonials, should be sent in not later than first post on Tuesday, 14th March. Chosen candidates will be interviewed on Friday, 17th March, 1939.

By order,

HENRY L. BOOT, Superintendent and Secretary.

27th February, 1939.

The Nottingham Hospital for Women.

HOUSE SURGEON (Male or Female) required to commence duties on 1st April, 1939. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence and laundry. Previous hospital experience essential.

Applications, stating age, experience and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

Argyll and Bute District Mental HOSPITAL, LOCHGILPHEAD, ARGYLL.

ASSISTANT MEDICAL OFFICER (MALE).

Applications are invited for the post of Resident Assistant Medical Officer at the above Institution.

Salary £400 per annum, with board, lodging, and laundry, rising to £450, and an additional £50 per annum will be paid if holding, or obtaining, a recognised Diploma in Psychological Medicine.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age, qualifications and previous experience, and accompanied by copies of testimonials, should be sent immediately to the Medical Superintendent.

AMENDED ADVERTISEMENT.

Borough of Richmond (Surrey).

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from qualified Medical Practitioners under thirty-six years of age for the appointment of full-time Assistant Medical Officer of Health at a salary of £600 per annum, rising by annual increments of £25 to £800 per annum.

Applicants must have had experience in public health administration and must hold a Diploma in Sanitary Science, Public Health or State Medicine.

The person appointed will be required to act under the direction and supervision of the Medical Officer of Health (who is also School Medical Officer) in carrying out the relevant statutory duties and such other duties as may from time to time be assigned to the Medical Officer of Health and School Medical Officer, and he will be responsible for organising the Casualty services in connexion with Air Raid Precautions.

The appointment, which will be determinable by three months' notice on either side, will be subject to the Local Government and Other Officers' Superannuation Act, 1922, and to the person appointed passing a medical examination.

Applications, made on the form to be obtained at this office, must be received by me not later than the 18th March, 1939.

Canvassing, directly or indirectly, will disqualify.

EDWIN M. NEAVE, Town Clerk.

Town Hall, Richmond, Surrey, 28th February, 1939.

Torbay Hospital, Torquay.

Notice is hereby given, in accordance with Rule 8, that the Court of Governors will meet on Friday, April 14th, 1939, to elect

An HONORARY PHYSICIAN.

Candidates are required to be registered under the Medical Act.

Applications (sixteen copies) accompanied by sixteen copies of not more than three testimonials, should be received by the undersigned not later than Tuesday, April 4th, 1939.

E. L. GRIST, Secretary.

February 27th, 1939.

Torbay Hospital, Torquay.

(168 Beds.)

HOUSE PHYSICIAN (Male) required for March 30th. Salary £175 per annum, with board, residence and laundry. Candidates must be fully qualified, registered and unmarried.

Applications, stating age, nationality, qualifications and experience, with copies of not more than three recent testimonials, to be received by the undersigned not later than Monday, March 13th.

E. L. GRIST, Secretary.

February 27th, 1939.

Northampton General Hospital.

There is a vacancy for a HOUSE SURGEON to the EAR, NOSE AND THROAT DEPARTMENT. Salary will be at the rate of £150 per annum, with board, residence and laundry. Candidates, who must be duly qualified and registered, must be males, and of British nationality.

The successful candidate will be elected for a period ending 30th September, 1939, and will be eligible for election for a further period of six months.

Applications, stating age, qualifications, &c., with copies of three testimonials, must reach the undersigned not later than first post on Wednesday, 15th March, 1939.

GORDON S. STURTRIDGE, M.B., B.S., Superintendent.

27th February, 1939.

THE UNIVERSITY OF LIVERPOOL

By invitation of the Council, Senate and Faculty of Medicine Professor HENNING WALDENSTROM (Professor of Orthopædic Surgery in the University of Stockholm) will deliver the LADY JONES LECTURE in ORTHOPÆDIC SURGERY On THURSDAY, MARCH 9th, 1939, at 4 P.M. In the SURGERY THEATRE, MEDICAL SCHOOL. Subject :

"SLIPPING OF THE UPPER FEMORAL EPIPHYSIS."

The Lecture which will be illustrated with lantern slides, is open only to members of the medical profession.

STANLEY DUMBELL, Registrar.

King Edward VII Hospital, Windsor.

(200 Beds.)

HOUSE SURGEON required beginning April (preferably with Ear, Nose, and Throat experience) also House Physician middle April. Applicants must be fully qualified men or women and registered and unmarried.

Salary at the rate of £120 per annum, together with board, residence and laundry.

Applications, stating age, qualifications and experience, accompanied by testimonials, should be sent to the undersigned not later than March 15th.

A. E. CHURCHER, Secretary.

The Stockport Infirmary.

(155 Beds.)

Applications are invited for the post of HOUSE SURGEON.

Applicants must be Male and unmarried. Salary £150 per annum, with board, residence and laundry.

Duties should commence 22nd March.

The Resident Staff consists of a Resident Surgical Officer, two House Surgeons and a House Physician. Applications, together with copies of three recent testimonials, stating age, nationality and qualifications, to be sent to the undersigned not later than March 7th.

H. G. PRICE, Secretary-Superintendent.

Royal Albert Edward Infirmary and

DISPENSARY, WIGAN. (210 Beds.)
Recognised under F.R.C.S. Regulations.

Two HOUSE SURGEONS (Male) required 1st April, 1939, for a period of six months. Salary £150 per annum, with board, apartments and washing. Staff consists of R.S.O. and three House Surgeons.

Applications, stating age and qualifications, with copies of three recent testimonials, should be addressed to the undersigned as soon as possible.

A. STANLEY BRUNT, General Supt. and Secretary.

27th February, 1939.

Taunton and Somerset Hospital,

TAUNTON.

A HOUSE PHYSICIAN required March 23rd. Six months' appointment. Two House Surgeons also in residence. Salary at the rate of £125 per annum, with board, residence and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary.

Applications are invited for the

following positions in the Mental Hospitals Department of the Government of Western Australia :—

SENIOR MEDICAL OFFICER. Classification £735 minimum to £780 maximum.

JUNIOR MEDICAL OFFICERS (Two). Classification £666 minimum to £699 maximum.

The salaries quoted are in Australian currency.

Further particulars concerning quarters, superannuation, &c., can be obtained at the Office of the Agent-General.

Applications in writing, stating age, qualifications, and experience, must be forwarded to the Agent-General for Western Australia, Savoy House, 115/116, Strand, W.C.2, on or before the 20th March.

Saint Mary's Hospitals, Manchester.

Two HOUSE SURGEONS for the WHITWORTH STREET HOSPITAL (Maternity), and one for the WHITWORTH PARK HOSPITAL (Gynæcological), each for a period of six months from the 1st May next. Salaries at the rate of £50 per annum, with board and residence.

Applications, with copies of three testimonials, to be sent to the undersigned on or before the 10th March.

A. R. WISE, Superintendent and Secretary.

Wrexham and East Denbighshire War

MEMORIAL HOSPITAL.
(136 Beds.)

Two RESIDENT HOUSE SURGEONS (Male or Female).

Also RESIDENT HOUSE SURGEON (Male) for special Departments (Aural, Ophthalmic and Casualty, &c.).

Appointments are for six months, commencing April 1st, 1939. Salary £150 per annum, with board and lodging.

Applications, stating age, nationality, experience, and qualifications, to be sent, together with copies of three recent testimonials, to the undersigned immediately.

LESLIE SPENCER, Secretary.

February 28th, 1939.

Scarborough Hospital, Yorkshire.

Wanted, May 1st, 1939, two HOUSE SURGEONS and one HOUSE PHYSICIAN (all Female).

Appointments are for six months.

The House Physician is in charge of Ophthalmic patients in addition to the Medical Wards.

Salary at the rate of £150 per annum, together with board, residence, laundry, &c.

Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent to the Hon. Secretaries, not later than the first post on March 20th, 1939.

Tilbury Hospital, Essex (Seamen's

Hospital Society.) (92 Beds.)—HOUSE SURGEON (Male) required for six months as from the 1st April. Salary £140 per annum, with board, residence, and laundry.

Applications, with copies of three testimonials, to be sent immediately to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

13th February, 1939.

The Royal Army Medical Corps

ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

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age twenty-seven, tall, good appearance, desires post as Nurse Receptionist, or any suitable non-resident post.—Nurse Lyons, 11, Westbury-court, Clapham South, S.W.4.

Receptionist.—Post required by young

gentlewoman with doctor or dental surgeon. West-End or good suburb.—Address, No. 568, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Gentlewoman, early middle age, seeks

post Doctor's household. Household management. Ex V.A.D. Excellent testimonials. Near London.—Address, No. 567, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Professional Woman, forties, wishes

post as SECRETARY-HOUSEKEEPER to lady doctor or partnership. Highest testimonials; loyal, adaptable, methodical, tactful. Free now or arrange future date if post falling vacant.—Address, No. 566, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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F.R.C.S., wanted in old-established good mixed Practice. East Midlands, 1 hour from London. Suitable house. Share value £650 per annum, with excellent prospect of increase.—Address, No. 565, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

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accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

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main road HOUSE very suitable for medical practice. Knowledge of German an advantage. Rent £150 per annum. Accommodation 3 bedrooms, 2 reception, 2 bathrooms, and usual offices.—Apply, Mr. CLOSE, 31, New Cavendish-street, W.1.

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2. EAST ANGLIA.—Within easy access of favourite seaside town.—PARTNERSHIP.—Third Share (increasing later) in growing mixed-class Practice averaging for last 3 years £3200 p.a. Panel of 3000. Appointments about £325 p.a. Nice house with 4 bedrooms, &c. Good garden. Price £1000. Premium 2 years' purchase or near offer.
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4. S.E. LONDON.—Pleasant residential suburb.—PARTNERSHIP.—Half-share in very sound old-estab. mixed Practice averaging about £3000 p.a. Panel of 3200. Appointments about £280 p.a. Good house with 6 bedrooms, &c. Large garden. Rent £100. Premium 2 years' purchase.
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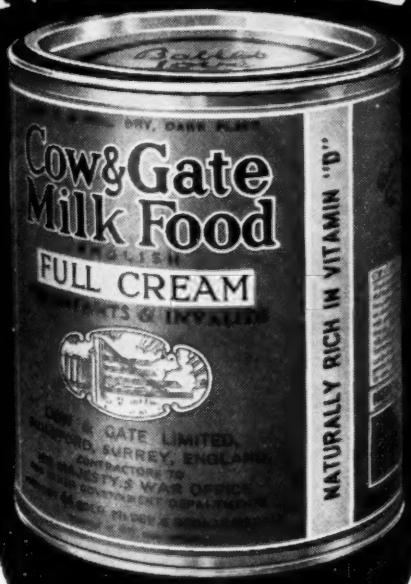
PRINTED IN GREAT BRITAIN—Entered as Second Class at the New York, U.S.A., Office.

MODERN VIEWS OF INFANT FEEDING



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Mineral Salts	6.0	0.7
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	100.0	100.0
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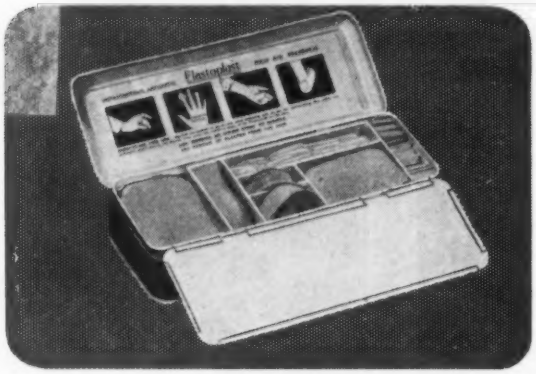

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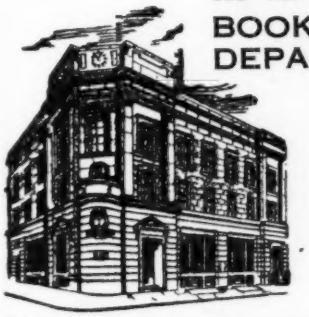

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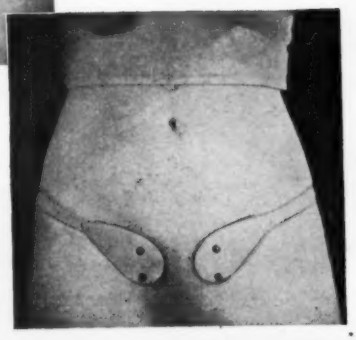

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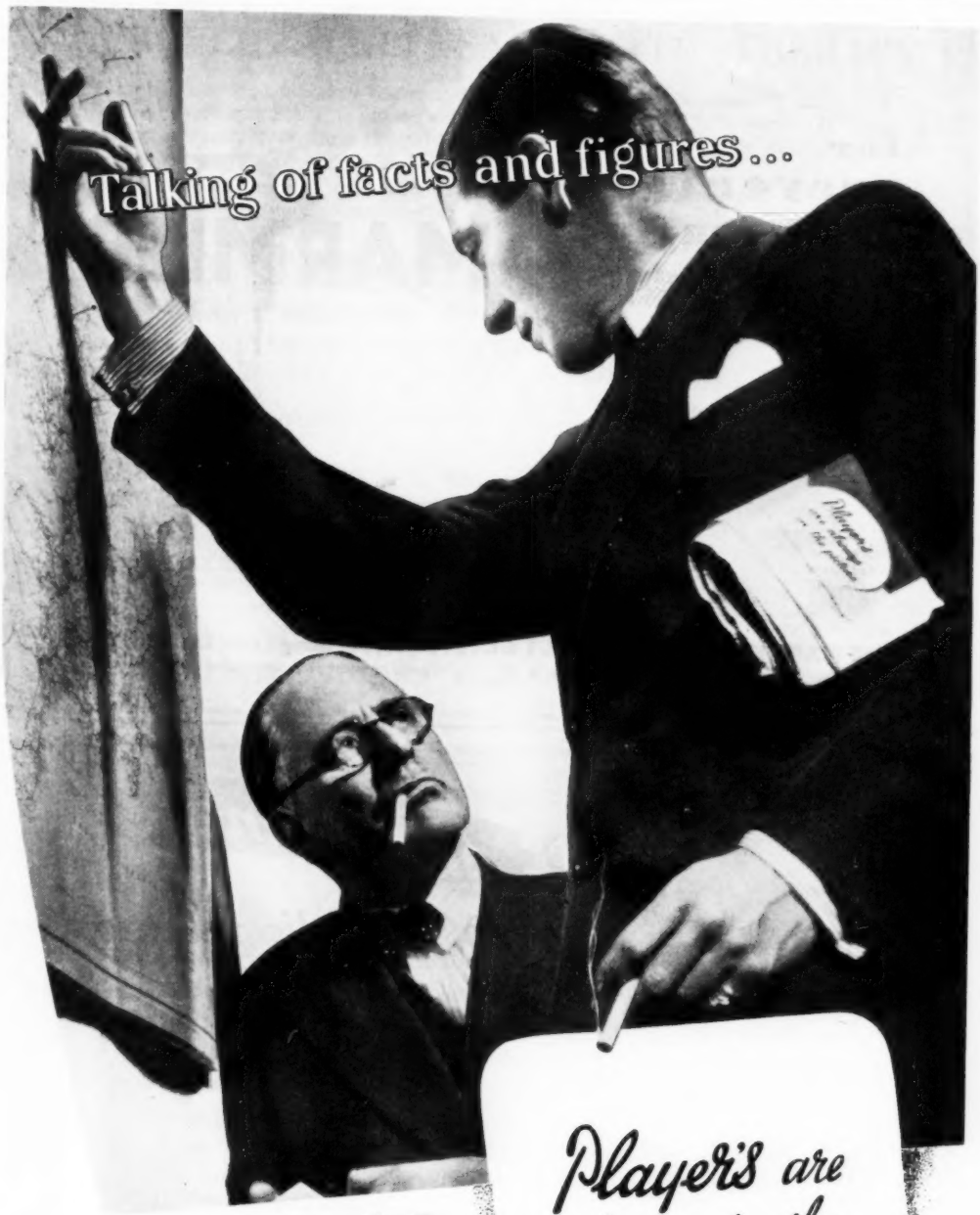

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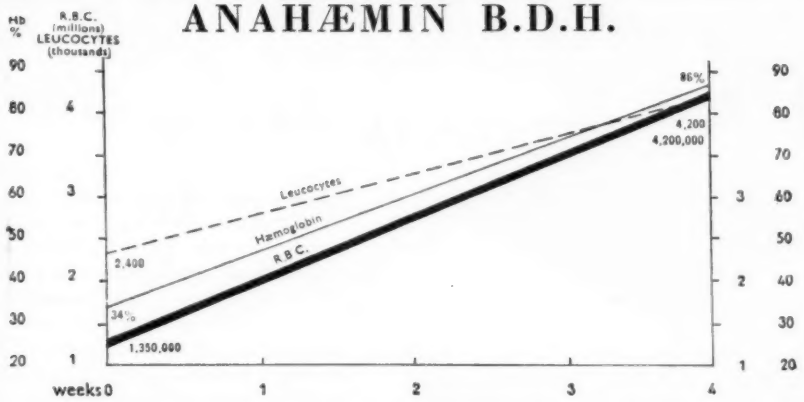
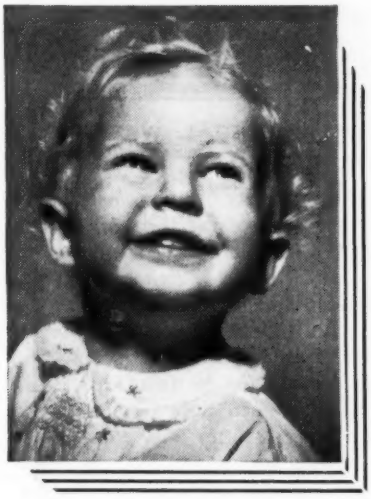


The above graph demonstrates the effect of injecting only 8 c.c. of Anahæmin B.D.H. during one month ; R.B.C. rose from 1,350,000 to 4,200,000 and Hb. from 34% to 86% — in the words of the physician 'a truly marvellous response.' *Sample on request*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

Telephone : Clerkenwell 3000 Telegrams : Tetradome Telex London



Samples on request.

THE IDEAL LAXATIVE FOR CHILDREN

No finer aid to bowel motion for children could be desired. Its gentle non-irritant action and the eager way in which the small patient welcomes its pleasant flavouring make it indispensable in the treatment of childish disorders.

For habitual constipation prescribe 'Petrolagar' Plain, the blue label variety which contains no active cathartic or purgative drug. If digestive disturbance should also be present use 'Petrolagar' Alkaline for its bland soothing effect and gentle correction of acidity.

'Petrolagar'

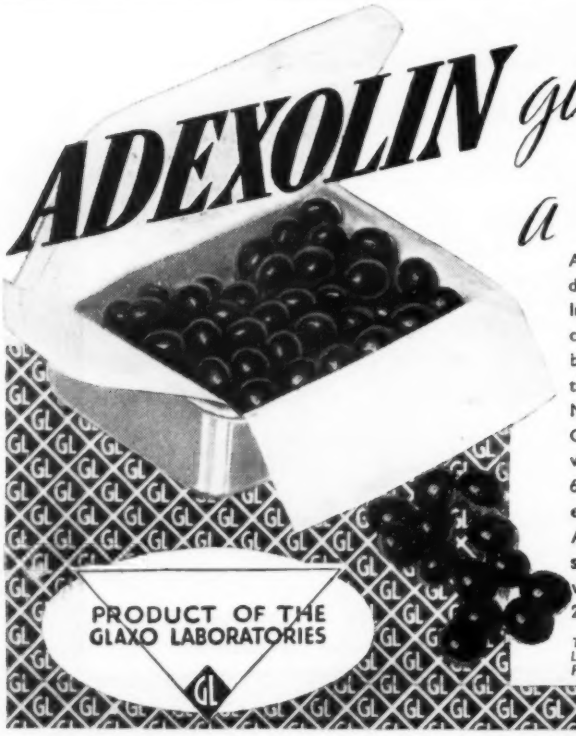
BRAND PARAFFIN EMULSION Regd. Trade Mark

JOHN WYETH & BROTHER LTD.

25, OLDHILL PLACE, LONDON, N.16

Distributors for Petrolagar Laboratories Ltd.

ADEXOLIN *gives the patient a better chance*



Adexolin can supplement the treatment of every disease. It institutes a 'side attack' upon infection. In Adexolin, vitamins A and D are administered in a concentrated form and in a simple manner. The body's defences are quickly raised to a high level and the well-being of the patient is steadfastly renewed. No bulky fish-liver oil is contained in Adexolin Capsules, but balanced concentrates of the actual vitamins themselves. Each 3m. capsule contains 6,000 i.u. of vitamin A and 1,000 of vitamin D—equivalent to 10 cc. of medicinal cod-liver oil.

Adexolin is also available as a liquid, particularly suitable for infants. Each cc. contains 12,000 i.u. of vitamin A, and 2,000 i.u. of vitamin D, equivalent to 20 cc. of medicinal cod-liver oil.

Tins of 25 capsules 2/6; 100, 7/6; 500, 30/6; 1,000, 56/-. Liquid: ½ oz. phials, 2/6; 2 oz. bottles 7/6; 4 oz. 12/6; 8 oz., 22/6. Prices (not applicable in Eire) are subject to usual professional discount.

GLAXO LABORATORIES LTD., GREENFORD, MIDDX. BYRon 3434

VICHY-CÉLESTINS

THE WORLD-RENOWNED NATURAL MINERAL WATER

FERMENTATIVE DYSPEPSIA

When the secretion is vitiated in quality, and the motricity of the stomach weakens, that organ dilates, and the gastric stagnation allows the micro-organisms of many ferments to develop. Quite a series of acids are then to be met with (butyric, lactic, acetic, etc.), which not only irritate the mucosa, but further, after their passage into the intestine, become absorbed by the lymphatics and swept into the circulation. VICHY-CÉLESTINS, by its slightly stimulating action, clears out the stomach, and thus avoids stagnation and consequent fermentation. As, in addition to doing this, it modifies stomachal metabolism, the secretions return little by little to their normal physiological condition.

NATURAL VICHY SALT for Drinking and Baths.
VICHY DIGESTIVE PASTILLES prepared with Natural Vichy Salt.

CAUTION.—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ÉTAT" and the name of the SOLE AGENTS:—

INGRAM & ROYLE, LTD.,
BANGOR WHARF, 45, BELVEDERE ROAD, LONDON, S.E.1. And at LIVERPOOL and BRISTOL.

Samples free to Members of the Medical Profession.

B — an established factor in the treatment of post-influenzal debility

In view of the debility of heart and digestive organs experienced after influenza, the value of a high Vitamin B content in the patients' post-influenzal diet cannot be too strongly stressed.

All too often the patient will resume his normal daily round under the impression that he is quite well again. By so doing he may put a severe strain upon his weakened resistance.

In Bemax he has a *food* which he can take without any sense of being treated as a convalescent. At the same time it supplies him with more Vitamin B than can be obtained from any other natural source.

Bemax is prepared from selected wheat embryo. The normal daily dose—½ ounce—supplies about 200 I. U.; from four to ten times as much as that provided by the recommended dose of certain advertised Vitamin B_1 *Concentrates.*

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Bemax is pleasant to eat and the daily spoonful supplies the normal adult requirement of additional Vitamin B, the shortage of which in modern diet so often acts as a limiting factor in the maintenance of good health.

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BEMAX

The Richest Natural Vitamin Tonic Food

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THE BOAT RACE *We have space at the Bemax Factory Wharf at Hammersmith Reach for about 400 members of the medical profession and friends to view the Oxford and Cambridge Boat Race to be held on April 1st. Early application for tickets should be made.*

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ANTI-MENORRHAGIC FACTOR "GLANULES"

ANTI-MENORRHAGIC FACTOR IS A NEWLY DEMONSTRATED ACTIVE FRACTION OF MAMMALIAN LIVER.

CLINICAL RESEARCH HAS REVEALED THAT THE OUTSTANDING ACTION OF THIS FRACTION IS THAT OF CHECKING THE FUNCTIONAL UTERINE HÆMORRHAGE OF MENORRHAGIA AND METRORRHAGIA.

SUPPLIED IN BOTTLES OF 25, 50, & 100 "GLANULES"

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Today, as for years, Ergoapiol (Smith) is the accepted medicament in combating those menstrual anomalies which may be traced to constitutional disturbances; atonicity of the reproductive organs; inflammatory conditions of the uterus or its appendages; mental emotion or exposure to the elements.

The physician readily can ascertain whether his prescription for Ergoapiol (Smith) has been correctly filled by dividing the capsule at the seam, thus revealing the initials M.H.S. embossed on the *inner* surface, as shown in photographic enlargement.

Literature on request.

MARTIN H. SMITH CO -- NEW YORK, U.S.A.

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Agents for Great Britain and Ireland

The All-British Stilbœstrol Product

NEO-ŒSTRANOL 1 CROOKES

Neo-œstranol 1 is the product of the research chemists of the Crookes Laboratories and is manufactured entirely in their laboratories at Park Royal.

Neo-œstranol is, by injection, weight for weight approximately three times as active as natural œstrone and equal in activity to œstradiol. Orally Neo-œstranol 1 shows twenty times the activity of œstrone.

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Ampoules:

½ mg. in ½ c.c. (box of 6)	2/6
1 mg. in 1 c.c. (box of 6)	4/-
5 mg. in 1 c.c. (box of 6)	7/-

Tablets:

1 mg. (tube of 25)	7/-
5 mg. (tube of 25)	21/-

Literature and special bulk quotations upon request.

THE CROOKES LABORATORIES (*British Colloids, Ltd.*) PARK ROYAL, LONDON, N.W.10
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SERENOL

biological non-toxic

SEDATIVE

Formula

Campho Sulphonate of sparteine	6.0	grams
Campho Sulphonate of ephedrine	2.5	,,
Extract of boldo	10.0	,,
Extract of crataegus	20.0	,,
Extract of salvia	10.0	,,
Tincture of marrubium	10.0	,,
Glycerine extract of thyroid (1 equals 1 of fresh gland)	0.10	,,
Valerian	50.0	,,
Hexamethylene-tetramine	10.0	,,
Excipient q.s.	ad 1,000	c.c.

PRICE - 4/6 per 4 oz. bottle.

Sample and Literature on request.

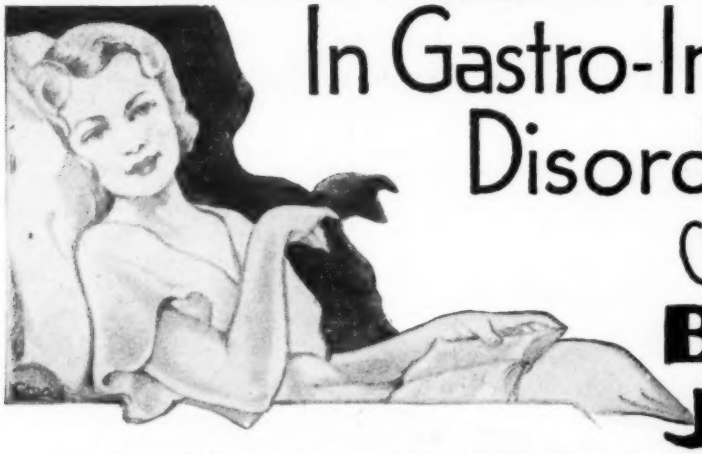
Serenol is a sedative with action on the centres of the nervous vegetative system, sympathetic and parasympathetic, and on the cortical centres. Recent knowledge has shown the interaction of nervous vegetative system and endocrine system, and on this knowledge SERENOL is based. It is thus a biological, not a symptomatic, sedative, and, unlike many other sedatives, has not a direct depressant action on the cortical cerebral centres.

Serenol is indicated in conditions of anxiety and general irritability, insomnia, hyperthyroidism, hyperadrenalism (as in neurocirculatory asthenia, effort syndrome), the so-called nervous palpitations of the heart, etc.

Serenol is given in the following dosage. For mild cases one to two dessertspoonsful on retiring. For more severe cases one dessertspoonful at 10 a.m., one dessertspoonful at 4 p.m. and two dessertspoonsful on retiring.

Serenol, being a biological sedative containing no barbiturate, is not habit forming.

CONTINENTAL LABORATORIES LTD. **30 MARSHAM STREET, LONDON, S.W.1**



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Allenburys

BEEF JUICE

In such conditions it is a primary consideration that the food should be light and unirritating. In gastric and duodenal ulceration and in the dyspepsias, Allenburys Beef Juice may safely and advantageously be given, where beef tea would often increase the pain and have a harmful effect. Because of its high protein and vitamin content, it provides a valuable means of keeping up a patient's strength.

In bottles at 1/9 and 3/- each.

Descriptive literature and clinical trial sample will be sent on application.

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Most dietitians have come to the conclusion that the diet of all classes shows an almost universal deficiency of vitamin D, and that in many cases supplies of vitamin A are inadequate. The cheapest and most reliable source of these vitamins is cod liver oil. It will be remembered that the League of Nations Nutrition Committee includes cod liver oil in its daily diet sheets and that these diet sheets were adopted by the Ministry of Health. There can therefore be little doubt that the addition of cod liver oil to the daily diet would result in a vast improvement in the health of the nation.

While modern cod liver oil is fresh and inoffensive in its taste, many people are still unaware of this improvement, and there is a tendency to resort to expensive substitutes of less reliable vitamin content, or to take it in a disguised (and again more expensive) form. The fact that such evasions are unnecessary is shown by an article in the *British Medical Journal* of January 7th. This article shows that cod liver oil can be used for cooking, and thus incorporated in the daily diet in the simplest possible way.

'SevenSeaS' cod liver oil may be added to almost all fish dishes, and will actually enrich and improve the flavour. 'SevenSeaS' can also be added in small quantities to cakes, puddings, etc., and owing to the freshness and purity of the oil, its presence will not be detected. The nutritive value of all dishes supplemented in this way will be greatly increased. If the practice is made a daily one, an adequate supply of Vitamin A and Vitamin D is ensured.

'SevenSeaS' cod liver oil conforms in every way with the requirements of the British Pharmacopœia. 'SevenSeaS' Standard contains not less than 600 International Units of Vitamin A and not less than 85 International Units of Vitamin D per gramme. 'SevenSeaS' High Potency is approximately four times richer in Vitamin content.

Sets of recipes containing cod liver oil will be sent on request. If you would like a supply of these for your patients, please write to the address below.

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SCANTY, painful or irregular menstruation usually results in fixed, faulty physiological habits. Treatment is more successful if instituted early.

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BRAND COMPOUND

Agarol is not advertised to the public. Supplied in 4½ oz., 7½ oz. and 17 oz. bottles.

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Colloidal Hydroxide of Aluminium

Rational Antacid Therapy

APART from those cases due to actual organic disease, the treatment of the syndrome of symptoms known as indigestion, generally resolves itself into an attempt to overcome hypersecretion of acid and to soothe the irritated or inflamed gastric mucosa.

That "Alocol" possesses intrinsic qualities which render it particularly valuable as a gastric sedative and antacid is now well established. Its freedom from the constipating effect of bismuth, the laxative action of magnesium salts and the gas-forming properties of sodium bicarbonate are especially noteworthy.

"Alocol" forms with the gastric contents a colloidal jelly which has the power of adsorbing free hydrochloric acid. Its markedly soothing effect on the gastric mucosa promptly relieves pain and discomfort. It does not interfere with the normal process of digestion and is free from the danger of "alkalosis."

Indian Sarasvati playing the Vina. (12th Century)

M288

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Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

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When anorexia is a factor Neuro Phosphates (Eskay Brand) may be of exceptional value.

Its stomachic properties stimulate the appetite; yet the characteristic bitterness of its strychnine content has been masked so effectively that Neuro Phosphates is acceptable to the most difficult patient.

Each dose (two teaspoonfuls) contains in acid state:—

Sodium glycerophosphate -	2 grs.
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Strychnine glycerophosphate	$\frac{1}{64}$ gr.

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Safety in an anti-arthritic is of paramount importance—especially in view of the grave results that have been reported following the use of analgesics such as cinchophen, amidopyrine, and derivatives of quinoline or barbituric acid.

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For rheumatoid conditions o-iodoxybenzoic acid has been described as "the best single drug which has so far been developed."

Jeffery and Burns, *Northwest Medicine*, Dec., 1927

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'Pentnucleotide' has become the standard therapy in agranulocytosis—a condition in which promptness of treatment is vitally important. Therefore, when the diagnosis of any leucopenic state is in doubt, the early administration of 'Pentnucleotide' would seem to be justified.

The timely initiation of this form of treatment in adequate doses may mean the difference between success and failure.

Further information will be sent to any interested physician.

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Proetz has suggested that "many a cold may be aborted if the nasal circulation can be re-established early before violent irritation occurs."

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In prescribing 'Benzedrine' Brand Inhaler for head colds, the physician is providing an effective first-aid remedy which will prove of service at all times.

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BRAND TRADE MARK DRESSING

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ONE·HALF

the dosage
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Administered orally, rectally or, in emergencies, intravenously, Nembutal exerts an extremely rapid but brief hypnotic and a pronounced sedative action from a dosage only about one-half that required with most other powerful barbiturates. This small dosage reduces the recovery period also by about one-half and, by lessening the amount of the drug to be eliminated, makes Nembutal, clinically, one of the safest of the barbiturates. • Safety, rapidity and brevity of action recommend Nembutal for use not only as a pre-anæsthetic sedative in major and minor surgery, but also in the treatment of insomnia, hysteria, sea-sickness, nausea from any cause, eclampsia, delirium tremens, convulsions from strychnine or other poisoning and in obstetrics, with or without morphine and scopolamine. Nembutal has also been used with much success as a supplement to morphine in controlling the pain of early cancer. • Nembutal is available through pharmacies in a wide variety of forms, the most widely employed of which are the ½-grain and 1½-grain capsules for oral use. Literature and a professional trial sample of Nembutal 1½-grain Capsules will be sent upon request.

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BRAND OF PENTOBARBITAL SODIUM

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This product is supplied under the name 'Epanutin.' It is not offered as a cure for epilepsy. It will, however, prevent or greatly decrease the incidence and severity of convulsive seizures in a substantial percentage of epileptics without the hypnotic and narcotizing effects exerted by many anti-convulsant drugs.

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Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability Ltd.*

The Prophylaxis of Diphtheria

The following four prophylactics are made at The Evans Biological Institute

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A "two-dose" prophylactic prepared by precipitating, with alum, the antigenic fraction from formol toxoid of high immunising value. The first injection should be 0.1 to 0.2 cc. and the final injection 0.5 cc. after two weeks. For children of eight years and under.

T.A.F. Evans
(Toxoid Antitoxin Floccules)

T.A.F. is a most effective immunising agent from which reaction is rare. It should be used when the subject is more than eight years of age. Dose, three injections each of 1 cc. at intervals of one or two weeks.

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Produces immunity more slowly and is generally recognised to be less efficient than A.P.T. and T.A.F. Dose, 0.5 cc. followed by two injections each of 1 cc. administered at intervals as recommended for T.A.F.

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Evans Sons Lescher & Webb Ltd.
Liverpool and London

TRADE MARK **'WELLCOME'** BRAND

DIPHTHERIA PROPHYLACTICS

For Active Immunisation

Entirely prepared, tested and packed in England. Each of these prophylactics will give a high rate of immunity, 80 to 100 per cent. of patients will be found to be Schick-negative within six weeks of the final injection.

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DIPHTHERIA PROPHYLACTIC TOXOID-ANTITOXIN FLOCCULES *(Suspension)*

The least likely of all prophylactics to cause reaction. Particularly suitable for older children and adults.

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A useful and reliable prophylactic of high immunising efficiency.

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DIPHTHERIA PROPHYLACTIC FORMOL-TOXOID

For rapid immunity where supervision can be exercised.

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(anterior pituitary-like gonadotrophic hormone)

Metropathia hæmorrhagica: B. Zondek regards the doses of pregnancy gonadotrophic hormone commonly used as much too small. In his view, 15,000 rat units are necessary to produce a clear result in human ovaries. (10 injections of 1,500 rat units). See "*Gonadotrophic Stimulation Therapy*" *Acta Obstetrica et Gynaecologica Scandinavica, 1935, xv. 1.*

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For further details, samples and literature apply

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A non-toxic circulatory and respiratory stimulant for oral, hypodermic, intravenous and intracardiac administration, improves the pulse and blood pressure, reinforces the contractions of the myocardium.

Increases the respiratory amplitude, activates the ventilation of the lungs causing cyanosis to disappear.

Indicated in collapse, coma, accidents during narcosis, poisoning by coal gas, narcotics and barbitone derivatives, fatigue phenomena, etc.

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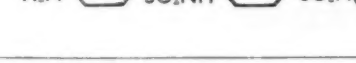

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Recent English References to 'ULERON'

1 **Staphylococcal and mixed genito-urinary infections.** Cokkinnis: *Brit. Med. J.* May 28th, 1938, p. 1511.

2 **Osteomyelitis (staphylococcal)** Mitchell: *ibid* Dec. 10th, 1938, p. 1200.

3 **Gonorrhoea** (a) Walsh: *ibid* July 30th, 1938, p.215.
(b) Hamilton Wilkie: *ibid* Jan. 14th, 1939, p.57.
(c) Marinkovitch: *ibid* Feb. 18th, 1939, p. 317.

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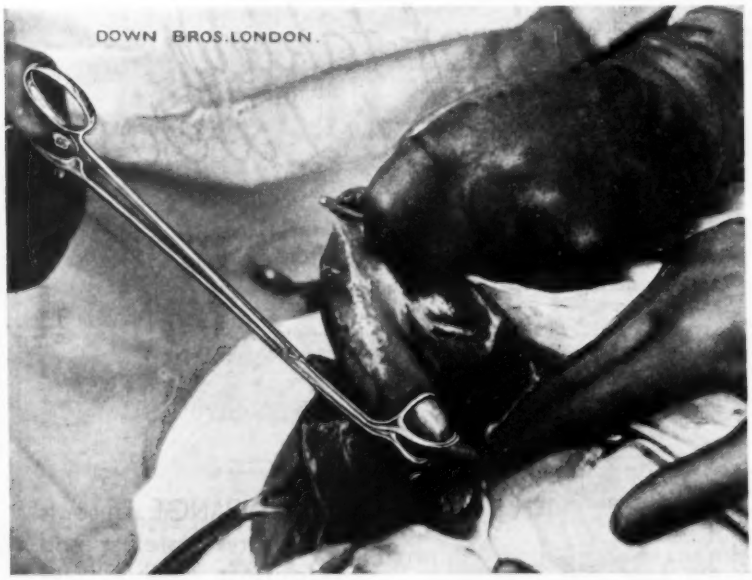

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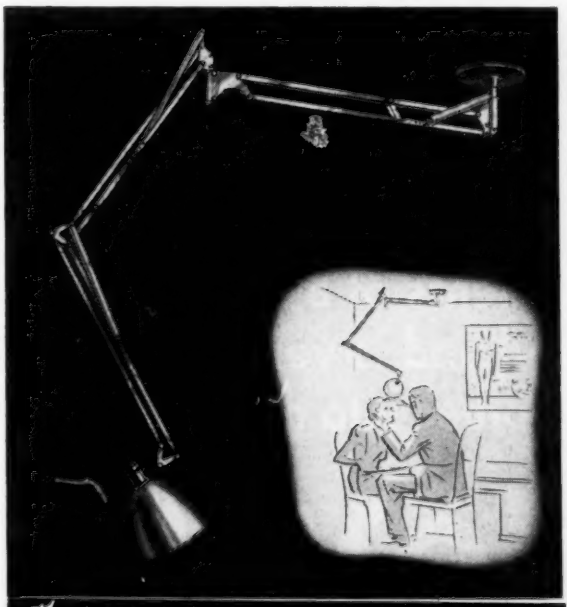

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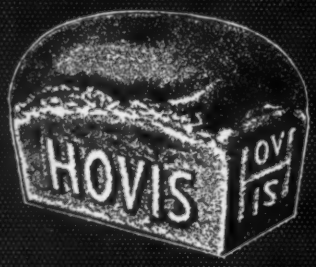

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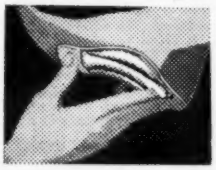

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(3) Tuesday, 21st March, 4 P.M.
(4) Thursday, 23rd March, 4 P.M.

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JAMES M. SMELLIE, M.D., F.R.C.P.
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The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephones: Rodney 2841 and 2842.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, **EBWORTHY, MANATON, DARTMOOR,** situated in 20 acres, 1100 ft. up for bracing moorland air.

Resident Physicians—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 59 and TEIGNMOUTH 289

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

THE LAWN, LINCOLN

A Registered Hospital for Mental and Nervous Diseases situated in Lincoln near the Cathedral and Castle. The grounds are well-laid out and spacious, containing tennis and croquet courts, and the Hospital is within easy reach of the City. Certified, temporary and voluntary patients are received. Treatment includes occupational therapy, and psychotherapy in suitable cases. Further particulars from the Medical Superintendent.

TELEPHONE 165

CALDECOTE HALL

NUNEATON
WARWICKSHIRE

('Phone: Nuneaton 241)

Residential treatment of

"Nervous Disorders" & Alcoholism

(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

PENDYFFRYN HALL SANATORIUM

All Modern Methods of Treatment Available.

Ideally situated, for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 800 ft., and commanding extensive sea and mountain views. Central heating, electric light, X-ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Rooms now available from 5 guineas weekly.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary, Pendyffryn Hall, near Penmaenmawr, North Wales. 'Phone 20.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds, Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

HURSTWOOD PARK HOSPITAL AND BEECHMONT HOUSE

HAYWARDS HEATH, SUSSEX

The Committee of the Brighton Mental Hospital have provided accommodation for private patients of both sexes where the treatment of nervous disorders from the earliest stages is undertaken, e.g., psycho-therapy, occupational methods and hydro-therapy. In Hurstwood Park Hospital there are fully equipped surgical and dental units and bio-chemical and bacteriological laboratories. Hurstwood Park Hospital and Beechmont House are situated in pleasant woodland entirely separated from the main institution and have some of the finest views in Sussex.

Brochure on application to the Medical Superintendent. *Telephone: Haywards Heath 897*

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No.* 8 *Formby.*

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tels. Address:* Street, Ashton-in-Makerfield.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642.

CHISWICK HOUSE,

PINNER, MIDDLESEX.

Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

NORTHUMBERLAND HOUSE

GREEN LANES,
FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688.

For further particulars apply to the MEDICAL SUPERINTENDENT.

THE ARCHER NERVE TRAINING COLONY

LANGLEY RISE, KING'S LANGLEY, HERTS.

Started 35 years ago by the late Mrs. William Archer for the special treatment of **FUNCTIONAL NERVOUS DISORDERS** by a system of Relaxation correlated with training in Nerve Control. Home life in separate houses in charming grounds; 20 miles from London; Chalets for resting. Eurhythmics, Voice Production, Occupational Therapy, etc. Telephone: King's Langley 7519. Lessons and Treatments in the art of Relaxation can also be obtained at the "**FRANCES ARCHER**" Centre, 30, Dorset Sq., N.W.1 (near Baker St. Stn.), Weds. and Sats. 10–1 p.m., 2–5.30 p.m. Tel.: Ambassador 2864. All applications to the Secretary, King's Langley.

HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £5 5s. per week upwards.
2nd Class (men and women) 32/- per week.

For further particulars apply:
C. EDGAR GRISEWOOD, A.C.A., Secretary,
20, Exchange Street East, Liverpool, 2

ALCOHOLISM

Drug Habits, and Nervous Disorders

25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the Matron. **RESIDENT MEDICAL SUPERINTENDENT,** E. G. MORRIS, L.R.C.S.I., L.R.C.P.I.

CHISLEHURST 451

OLD HILL HOUSE

CHISLEHURST, KENT.

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

RUSSELLS

Hemel Hempstead Road,

WATFORD

Telephone: WATFORD 5917

A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

EPPING HOUSE

LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, Farm Produce, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 212. *Apply,* J. C. BAKER, M.B.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

HILL END HOSPITAL AND CLINIC

FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO FIVE GUINEAS PER WEEK.

For further particulars apply to the Medical Director, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

CLARENCE LODGE

CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES.

For Convalescent Cases requiring Medical Supervision.

50 minutes from London (Victoria), 15 minutes from Brighton. Standing in 7 acres of lovely grounds at the foot of the South Downs.

Climate, mild but not relaxing. No fogs, sheltered from cold winds.

Comfort, Service and every facility for Physical Treatment, without irksome restrictions of nursing home or clinic.

Treatments, include: Foam Baths, Ultra-Violet and Infra-red Ray, Diathermy, and other Electrical treatments, Pistany Mud Packs, etc. Massage and Remedial Exercises, Fully-qualified staff. Resident Physician.

Convalescent patients specially catered for.

Electric Lift to all floors. Fully Licensed. Superb Cuisine, Special Dieting if required.

● *Medical Practitioners are cordially invited to visit the Restorium. Write for Brochure and Terms to: Physician in Charge, Sunnyside Restorium, Hassocks, Sussex. Telephone: Hassocks 103*

Sunnyside

Restorium

HASSOCKS . . . SUSSEX

(in association with the Downs Hotel)

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

THE MARINE SPA
(under the direction of the Corporation)

TORQUAY

Newly fitted Balneological, Electro-Medical, and Small Turkish and Russian Bath sections for recognised forms of Spa, etc., treatment, under mild winter climatic conditions. Large Cooling Lounge, and "Vita" Glass Sun Lounge. Warm Sea-Water Swimming Bath with modern filtration plant. Assistants with C.S.M.M.G., and Bio-Physical qualifications.

Illustrated Spa and Health Resor Brochures post free on application.

H. Berkeley Hollyer, General Manager.
(late Manager, Brine Baths, Droitwich Spa)

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Studs Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O. (R.U.I.), H. RHYS DAVIES, F.A., M.B., B.Ch., B.A.O. **TERMS, 13s. to 18s. per day, include Turkish and other Baths.**
Illustrated Brochure C.J. on request.
'Phone: Matlock 17 (3 lines). *'Grams:* Smedleys, Matlock.

Bad Kissingen

Treatment by mineral waters and baths. Natural carbonic acid brine, bubbling spring, mud and vapour baths for Stomach, Intestinal, Heart, Vascular, Rheumatic, Liver, Gall and Circulatory Troubles.

Prospectus through the Kurverein

Rakoczy Spring Waters for Home Treatment for the Stomach, Intestines and Circulation.

Obtainable direct from the Spa Management or through selling agents, a list of whom will be supplied.

60% reduction on the railway fare—Cheap travelling marks.

Information through THE GERMAN RAILWAYS INFORMATION BUREAU, 19, Regent Street, LONDON, S.W.1.

MALLING PLACE, KENT
For LADIES and GENTLEMEN of Unsound Mind.
Terms moderate. Apply to Resident Medical Superintendent.
Telegrams: ADAM WEST MALLING Telephone No. 2: MALLING.

RHEUMA SPA, KINMEL HALL,
ABERGELE, NORTH WALES
Modern Spa Treatments, including Continental Pistany Mud and Scotch Douche, for Rheumatic and similar disabilities. Resident Physician. Excellent amenities and Recreational facilities.
IDEAL WINTER QUARTERS—REDUCED RATES

DR. BINSWANGER SANATORIUM BELLEVUE
KREUZLINGEN — SWITZERLAND
for Nervous and Mental cases
as well as all kinds of addiction
(Insulin shock treatment)
Doctor in charge: DR. LUDWIG BINSWANGER
Prospectus on application to the Management

British Postgraduate Medical School
(UNIVERSITY OF LONDON).

Wanted on the 1st of April, a JUNIOR ASSISTANT for the DEPARTMENT OF PATHOLOGY, SECTION OF BIOCHEMISTRY. A medical qualification is not essential, but applicants must have had experience in Biochemistry. Stipend £300, rising by annual increments of £50 to £500. The successful candidate will be required to join the Federated Superannuation System for Universities.

Further particulars can be obtained from the Professor of Pathology, British Postgraduate Medical School.

Applications, accompanied by copies of testimonials and the names of two referees should be sent to the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to arrive not later than the first post on Tuesday, March 14th, 1939.

British Postgraduate Medical School.

There are two vacancies for HOUSE SURGEONS to the SURGICAL UNIT, British Postgraduate Medical School, Hammersmith Hospital. The appointments are for six months and are not renewable. Salary at the rate of £105 per annum, with board, residence and laundry. Duties to commence on 1st April, 1939. Duties are mainly in General Surgery. Applicants must have held a previous House appointment.

Applications with copies of testimonials should be sent to the Dean, British Postgraduate Medical School, Ducane-road, Shepherd's Bush, London, W.12, to arrive not later than the first post on Tuesday, 14th March, 1939.

St. John's Hospital,
Lewisham, S.E.13.

Applications are invited for the appointment of RESIDENT SURGICAL OFFICER (Male, unmarried) which becomes vacant on 1st April next. Candidates should have been qualified not less than two years and should have had one year's experience of hospital appointments. Preference will be given to those holding a Senior Surgical qualification.

The appointment is for twelve months, at a remuneration of £200 per annum, with the addition of Resident Staff Panel fees. Applications, with copies of testimonials, should reach the undersigned not later than Monday, March 13th.

J. C. GILBERT, Secretary-Superintendent.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue,
North Kensington, W.10. (75 Beds.)

HOUSE PHYSICIAN (Male) required for six months from 1st April, 1939. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned and must reach him not later than Thursday, 16th March, 1939.

H. J. ELEY, Secretary.

Princess Louise Kensington Hospital

FOR CHILDREN, St. Quintin-avenue,
North Kensington, W.10. (75 Beds.)

HOUSE SURGEON (Male) required for six months from 1st April, 1939. Salary at the rate of £120 per annum for the first three months and £150 per annum for the second three months, with board, residence and laundry.

Applications, with copies of three recent testimonials, must be submitted on a form to be obtained from the undersigned, and must reach him not later than Thursday, 16th March, 1939.

H. J. ELEY, Secretary.

University of London.

The Senate invite applications for the UNIVERSITY READERSHIP IN BIOLOGY tenable at ST. BARTHOLOMEW'S HOSPITAL MEDICAL COLLEGE. Salary £700 a year.

Applications (twelve copies) must be received not later than first post on 24th March, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

University of London.

The Senate invite applications for the UNIVERSITY CHAIR OF THE PATHOLOGY OF MENTAL DISEASE tenable at the MAUDSLEY HOSPITAL. The Professor also will be appointed by the London County Council to the office of Director of the Central Pathological Laboratory at the Maudsley Hospital and Pathologist to the Council's Mental Services. Salary £1250 a year, with additional allowances in respect of certain responsibilities attached to the appointment of Director.

Applications (twelve copies) must be received not later than first post on 23rd March, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

St. Mary's Hospital, W.2.

SURGICAL REGISTRAR.

The Board of Management invite applications for the above post.

Candidates for the appointment must be registered Medical Practitioners and Fellows or Members of the Royal College of Surgeons of England or Graduates in Surgery of a University in the British Empire.

The salary is £200 per annum, with luncheon and tea.

Copies of the regulations for the Surgical Registrar may be obtained on application to the Secretary's Office.

Applications, with copies of testimonials not exceeding three in number, should reach the undersigned on or before 16th March, 1939.

W. PARKES, House Governor.

St. John's Hospital,

Lewisham, S.E.13.

Applications are invited for the resident appointment of HOUSE PHYSICIAN (Male) tenable for six months from 1st April, 1939, at a remuneration of £100 per annum.

Applications, with copies of testimonials, should reach the undersigned by March 13th.

J. C. GILBERT, Secretary-Superintendent.

West End Hospital for Nervous

DISEASES, 73, Welbeck-street, W.1.

Applications are invited from British Male candidates for the post of IN-PATIENT REGISTRAR. Honorarium of £50 per annum. Duties include afternoon attendance at the Wednesday Out-patient Clinic. Candidates must have Neurological experience.

Applications, with copies of three testimonials, should be addressed to the undersigned, from whom further particulars can be obtained, not later than Friday, March 17th.

J. P. WETENHALL, Secretary and House Governor.

Hampstead General Hospital,

Haverstock-hill, N.W.3.

Applications are invited from Registered Medical Women for the resident post of CASUALTY MEDICAL OFFICER for six months vacant 1st April at the Out-Patient Department, Bayham-street, Camden Town. Salary £100 per annum.

Applications on the prescribed form with three testimonials, to be returned to the Secretary by 18th March.

The Engineering Department of the

POST OFFICE would like to hear from qualified Medical Men who would be willing to act from time to time as MEDICAL OFFICERS on board their two cable ships based respectively at Woolwich and Dover.

These ships are approximately at sea seven months in the year, the duration of each trip varying from one to eight weeks, with varying intervals between voyages during which the services of the doctors concerned would not be required.

Salary £1 1s. per day (with all found) while at sea.

The duties which are not normally arduous might suit retired or semi-retired medical men in good health, preferably not over sixty-five.

Full particulars may be obtained from—

The Submarine Superintendent, Engineer-in-Chief's Office,
G.P.O., Ivy House, Newgate-street, E.C.1.

Beit Memorial Fellowships for Medical

RESEARCH.

NOTICE is hereby given that an ELECTION of JUNIOR FELLOWS to begin work on 1st October will take place in July, 1939. Junior Fellowships are normally of the annual value of £400 for three years; but candidates, younger than those usually elected or whose promise for medical research must be judged mainly on work outside that field, may be awarded a lower rate of £300 for the first two years. Candidates are asked to state whether they would be unable to accept this lower initial rate.

The Trustees are desirous of furthering research in Mental Diseases and in the general allotment of Fellowships will give some preference to a candidate proposing research on approved lines in that subject.

Candidates must have taken a Degree in a Faculty of a University in the British Empire or a Medical Diploma registrable in the United Kingdom. Elections to Junior Fellowships are rarely made above the age of thirty-five years.

Applications from candidates should be received by 14th May, though late entries will be accepted up to 1st June.

Forms of application and all information may be obtained by letter only addressed to :—

PROFESSOR T. R. ELLIOTT, M.D., F.R.S., Hon. Secretary.
Beit Memorial Fellowships for Medical Research,
University College Hospital Medical School,
University-street, London, W.C.1.

The Radium Institute and Mount

VERNON HOSPITAL,
1, Riding House-street, London, W.1.

Applications are invited for the post of HOUSE SURGEON at the Mount Vernon Hospital, Northwood. The appointment will be made for six months at a salary at the rate of £150 per annum, with board and residence, commencing 1st April next.

Applications should be sent as soon as possible to the undersigned at the above address.

T. A. GARNER, Secretary.

Barley Mow Welfare Centre, Lambeth,

S.E.1.

The voluntary committee of the Barley Mow Welfare Centre invite applications from registered Medical Practitioners to take charge of the monthly antenatal clinic.

Applicants must have been qualified at least three years, and must have had special experience of practical midwifery and antenatal work. Remuneration will be at the rate of 1½ guineas a session.

Applications, together with copies of three recent testimonials, must reach the undersigned by March 20th.

Miss TURNER, Honorary Secretary.

Barley Mow Welfare Centre,
Frazier-street, S.E.1.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL. (112 Beds.)

The Board of Management invites applications from suitably qualified Male candidates for appointment as RESIDENT MEDICAL REGISTRAR AND RESIDENT PATHOLOGIST. The appointment will be for six months in the first instance, renewable, subject to approval, for further periods of six months up to a maximum of two years. Honorarium will be at the rate of £150 per annum, plus board, residence, and laundry.

Applications (to be made on the prescribed form obtainable from the undersigned) should be submitted on or before Monday, March 27th. Short-listed candidates will be invited to meet the Appointments Committee on March 31st, 1939.

R. S. G. HUTCHINGS, Secretary.

The Middlesex Hospital, W.1.

A vacancy is hereby declared for an HONORARY ANÆSTHETIST to the Hospital.

Candidates must be qualified registered Medical Practitioners and applications must be received by Saturday, 15th April.

The Assistant Anæsthetist to the Hospital is a candidate for the post.

By order of the Board,
S. R. C. PLIMSOLL, Secretary-Superintendent.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

The Hostel of St. Luke (Clergy Nursing Home), 14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.

Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.

Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before 25th March. The successful applicant will be required to take up his duties on 1st April.

King George Hospital, Ilford (near London). (207 Beds.)

RESIDENT ANÆSTHETIST (Male) required for a period of six months from 1st April. Salary £150 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 20th March.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

King George Hospital, Ilford (near London). (207 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male), for a period of twelve months, with eligibility for reappointment. Fellowship of a Royal College of Surgeons is essential. Salary £250 per annum.

Applications, together with copies of testimonials, should reach the undersigned not later than Tuesday, 14th March.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

The Metropolitan Borough of Holborn.

MEDICAL OFFICER (Temporary) required for Maternity and Child Welfare Centre on Monday and Thursday afternoons. Engagement on a sessional basis, £1 11s. 6d. per session.

Previous experience (including ante-natal work) essential.

Applications, on forms to be obtained from me, to be submitted so as to reach me by first post on 23rd March, 1939.

L. WALFORD, Town Clerk.

Town Hall, 197, High Holborn, W.C.1,
28th February, 1939.

The Hospital for Sick Children, Great Ormond-street, London, W.C.1.

Two HOUSE PHYSICIANS and Two HOUSE SURGEONS are required. Duties to commence on the 18th April, 1939.

The appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by NOON on Monday, the 27th March, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th April, 1939.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

March, 1939.

The Hospital for Sick Children, Great Ormond-street, London, W.C.1.

The Board of Management propose to elect an HONORARY ASSOCIATE NEUROLOGICAL SURGEON, and invite applications from Fellows of the Royal College of Surgeons of England, who are solely, or mainly, engaged in the practice of Neurological Surgery.

Candidates are required to call upon members of the Honorary Staff and also to attend before the Joint Committee on Wednesday, 22nd March, at 4.45 P.M.

The last date for receiving applications is Monday, 20th March, 1939.

Further particulars are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

March, 1939.

Royal Chest Hospital, City-road, E.C.1. (Royal Northern Group of Hospitals.)

Applications are invited for the following post:—

HOUSE PHYSICIAN (Male). Vacant 1st May for a period of six months. Salary at the rate of £100 per annum, with board, residence and laundry.

Applications, with copies of testimonials, should be sent by the 17th March to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

Royal Northern Hospital, Holloway, London, N.7.

The Royal Waterloo Hospital for
Children and Women, Waterloo-road, S.E.1.

HONORARY SURGICAL REGISTRAR.

The Board of Governors invite applications for the post of Honorary Surgical Registrar. Candidates must be Fellows of the Royal College of Surgeons, and would be expected to call upon the members of the Honorary Medical Staff, a list of whom would be furnished on request. Honorarium £50 per annum. Preference will be given to candidates having had experience of special departments.

Further particulars regarding the appointment can be obtained from the undersigned, to whom applications should be sent, not later than the 22nd March, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Royal Waterloo Hospital for
Children and Women, Waterloo-road, S.E.1.

HONORARY MEDICAL REGISTRAR.

The Board of Governors invite applications for the post of Honorary Medical Registrar. Candidates must be Graduates in Medicine of a University recognised by the General Medical Council, and/or a member of the Royal College of Physicians. Honorarium £50 per annum. Particulars regarding the appointment can be obtained on application to the undersigned, to whom applications should be sent not later than Wednesday, 22nd March, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Royal Waterloo Hospital for
Children and Women, Waterloo-road, S.E.1.

HONORARY GYNÆCOLOGICAL REGISTRAR.

The Board of Governors invite applications for the post of Honorary Gynæcological Registrar. Candidates must be Fellows of the Royal College of Surgeons. Honorarium £50 per annum. Particulars regarding the appointment can be obtained from the undersigned to whom applications should be sent not later than Wednesday, 22nd March, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

A RESIDENT MEDICAL OFFICER is required at the Country Branch Hospital, Tadworth Court, Tadworth, Surrey. Duties to commence on the 1st May, 1939.

The appointment is tenable for six months, but is renewable. Salary at the rate of £250 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 3rd April, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th April, 1939.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

March, 1939.

East End Maternity Hospital,
396, Commercial-road, London, E.1.

Applications are invited from qualified registered Medical Men with previous obstetrical experience for the post of RESIDENT MEDICAL OFFICER to the above Hospital. The appointment, which is for six months, will commence on April 1st, 1939.

Applications, stating qualifications and previous experience, must be received by the Secretary not later than Tuesday, 21st March. Full board residence will be provided together with an honorarium at the rate of £150 per annum.

The Willesden General Hospital,
Harlesden-road, N.W.10.

Applications are invited from fully-qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st April, 1939, followed by a six months' appointment as HOUSE PHYSICIAN (Total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Monday, 20th March, 1939.

March 6, 1939.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st May, 1939. Salary at the rate of £75 per annum with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before 28th March.

F. DUDLEY HOBBS, B.A., Secretary.

Poplar Hospital, East India Dock-road,
Poplar, E.14.

The Committee invites applications for the appointment of SECOND RESIDENT OFFICER. (Male.)

At a salary at the rate of £175 per annum, all found. Candidates must have held appointments as House Surgeon at a Hospital.

Applications must be accompanied by a statement of the candidates' qualifications and forwarded to the Secretary, with three recent testimonials, not later than Monday, March 27th, 1939. The appointment is for a period of six months.

St. John's Hospital for Diseases of the
SKIN, 5, Lisle-street, Leicester-square, W.C.2.

Applications are invited for the post of HONORARY PHYSICIAN to the Hospital. Candidates must be Fellows or Members of the Royal College of Physicians of London, Edinburgh, or Dublin, or Fellows of the Royal College of Surgeons of England, Edinburgh, or Dublin.

Applications to be sent to the Secretary, from whom particulars can be obtained, on or before Saturday, April 1st, 1939.

LEONARD G. R. TURPIN, Secretary.

3rd March, 1939.

The Children's Hospital, Hampstead,
40, College-crescent, N.W.3.
(45 Beds.)

Applications are invited from registered Medical Practitioners for the post of RESIDENT MEDICAL OFFICER for six months from the 1st April to the 30th September, 1939, inclusive. Salary at the rate of £150 per annum, with board, residence, and laundry. Applications, stating age, nationality, qualifications, and experience, with copies of three testimonials, should reach the undersigned not later than NOON on Wednesday, the 22nd March.

H. W. WALLIS GRAIN, Secretary.

St. Bartholomew's Hospital.

PHYSICIAN-ACCOUCHEUR.

NOTICE is hereby given that a Meeting of the Election Committee will be held on Tuesday, 2nd May, 1939, at 4 P.M., to elect a Physician-Accoucheur to the Hospital.

Candidates, who must be Fellows or Members of the Royal College of Physicians London, or Fellows of the Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Friday, 7th April, 1939.

C. C. CARUS-WILSON, Clerk to the Governors.

28th February, 1939.

The London Chest Hospital,
Victoria Park, E.2.
(Bus, Tram, and Rail, Cambridge Heath, L. & N.E. Railway.)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on May 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of three testimonials, should be sent to the undersigned on or before Saturday, April 1st, 1939.

THOMAS BROWN, Secretary.

Central London Throat, Nose and Ear
HOSPITAL, Gray's Inn Road, W.C.1.

ASSISTANTS IN THE OUT-PATIENT DEPARTMENT.

There are the following vacancies:—

THIRD ASSISTANT for attendance on Mondays at 2 P.M.

THIRD ASSISTANT for attendance on Wednesdays at 2 P.M.

The duties are to assist the Surgeons in seeing the patients and the posts are honorary.

Applications, which may be for periods of three, six, or twelve months, should be made to the undersigned.

JOHN H. YOUNG, Secretary-Superintendent.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of ASSISTANT PHYSICIAN.

Candidates must have a University degree recognised by the General Medical Council and must be Fellows or Members of the Royal College of Physicians London. The successful candidate will be required, in addition to other duties, periodically to deliver Medical Courses of Lectures to the Nurses and to undertake such teaching for the Medical School as the Board may approve.

Applications, with copies only of testimonials, should reach me by Thursday, 6th April. Candidates must attend the Medical Council on Friday, 21st April, at 4.30 P.M., and prior to that date call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board of Management, but nevertheless, must send copies of application and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board who will elect on Tuesday, 25th April, at 5 P.M.

H. A. MADGE, Secretary.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Required. One HOUSE PHYSICIAN, One HOUSE SURGEON, and One RESIDENT ANÆSTHETIST. The duties of the House Physician will include some work in the Children's Department, and of the House Surgeon some work in the Genito-Urinary Department. These three appointments (Males) are tenable for six months from 1st April next, subject to one month's notice on either side. Salary at the rate of £100 per annum with board and lodging. Candidates must be registered under the Medical Act.

Applications (which must be made on printed forms obtained from me) must reach me not later than first post Thursday, 16th March. Selected candidates will be required to call upon such members of the Medical Staff as directed, to be in attendance at the Medical Council Meeting on Friday, 24th March, at 4.30 P.M., and the House Committee Meeting at 5 P.M. the same day, when the appointments will be made.

H. A. MADGE, Secretary.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of RADIUM THERAPIST (full-time).

Applicants must be registered Medical Practitioners, who hold a diploma in Radiology.

The appointment will be for one year (subject to renewal) commencing on the 1st April, 1939, at a salary at the rate of £650 per annum.

The present Assistant Radium Therapist is an applicant for the post and in the event of his appointment there will be a vacancy for an ASSISTANT RADIUM THERAPIST at a salary of £400 per annum, for which applications are also invited.

Applications, to be made on a form which will be supplied by the Secretary, together with copies only of three recent testimonials, should be sent to the undersigned not later than the first post on Monday, 13th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of full-time ASSISTANT RADIOLOGIST at the Hospital for the DIAGNOSTIC DEPARTMENT.

Applicants must be registered Medical Practitioners who hold a Diploma in Radiology.

The appointment will be for one year commencing on the 1st April, 1939, at a salary at the rate of £350 per annum.

Applications, to be made on a form which will be supplied by the Secretary, together with three recent testimonials, should be sent to the undersigned not later than the first post on Monday, 13th March, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON (Resident) to be attached to the RADIUM DEPARTMENT. Candidates must be registered Medical Practitioners.

Salary £100 per annum.

Facilities afforded for Post-Graduate Study.

The appointment is for six months commencing 1st April, 1939.

Applications to be made on a form which will be supplied by the Secretary, with copies only of not more than three recent testimonials, to be sent to the Secretary not later than the first post on Friday, 24th March, 1939.

CLEMENT COBBOLD, Secretary.

Evelina Hospital for Sick Children,
Southwark, S.E.1.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned from whom particulars can be obtained, not later than first post on Tuesday, 21st March.

W. H. SIDNELL, House Governor.

London County Council.

Applications invited for appointment as PART-TIME RADIOLOGIST for four sessions a week, for duty at HACKNEY HOSPITAL, Homerton High-street, E.9. Salary £350 (£300 if already employed as part-time consultant or specialist in hospitals service) and additional remuneration of £2 12s. 6d. a visit for emergency visits made in excess of number of routine sessions.

Application forms containing full particulars (stamped addressed foolscap envelope necessary) from Medical Officer of Health (8.6), County Hall, Westminster Bridge, S.E.1, returnable by 24th March. Women eligible. Canvassing disqualifies.

Royal Infirmary, Blackburn.
(244 Beds. Five Residents.)

RESIDENT SURGICAL OFFICER required. Salary £250 per annum, with board, residence, and laundry. Preference will be given to applicants holding the F.R.C.S. Diploma.

Applications, stating age, nationality, qualifications, and experience, together with copies of recent testimonials, to be sent to the undersigned.

T. DEWHURST, General Superintendent and Secretary.
Royal Infirmary, Blackburn.

Kent and Sussex Hospital, Royal
TUNBRIDGE WELLS.
(210 Beds.)

Applications are invited for the appointment of HOUSE SURGEON (Male). Salary £150 per annum, board, residence, and laundry in the Hospital.

The Hospital includes the following Departments: Medical, Surgical, Ear, Nose, and Throat, Ophthalmic, Orthopædic, Gynæcological, X-ray and Electrotherapeutic, Massage, Pathological, Venereal Diseases, &c.

The Resident Staff consists of: Resident Surgical Officer, House Physician, House Surgeon, Casualty Officer and House Surgeon, and House Surgeon to the Ear, Nose, and Throat and Ophthalmic Departments.

Successful candidate will be required to take up duty on Saturday, 1st April, 1939.

Applications, stating qualifications, together with certificate of registration and copies of not more than three recent testimonials, should be sent to the undersigned by not later than 18th March, 1939.

TOM B. HARRISON, Superintendent-Secretary.
6th March, 1939.

MUNICIPALITY OF GEORGE TOWN, PENANG, STRAITS SETTLEMENTS HEALTH DEPARTMENT

APPOINTMENT OF DEPUTY MUNICIPAL HEALTH OFFICER.

The Municipal Commissioners of George Town, Penang, require a Deputy Municipal Health Officer for their permanent staff, the appointment being in the first instance, upon a three years' agreement.

Candidates should be between twenty-five and thirty-eight years of age, and preferably unmarried. The appointment is not suitable for lady doctors.

Candidates must be graduates in medicine and surgery of one of the British Universities, or must hold the qualifications of the Royal Colleges of Surgeons and Physicians of London, Edinburgh, or Ireland, they must also hold a registrable qualification in Public Health. A diploma in tropical medicine is desirable.

The selected candidate must pass a medical examination as to his fitness for service in the tropics.

The appointment is in Class B^1 of the Commissioners' salary scheme for Senior Officers—viz., $7200 (£840) per annum, rising by annual increments of $25 to $10,200 (£1190) per annum, and the initial salary will be fixed according to the successful candidate's age and experience. The exchange value of the dollar is 2s. 4d., sterling. There is no income tax at present.

Free first-class passage with half-pay on the voyage out will be provided for the selected candidate, and if married, passages for his wife and children under ten years of age.

An allowance for the maintenance of a motor car for use on duty will be granted.

For a married officer, quarters will be allotted if available (rent equal to 6 per cent. of salary) or an allowance in lieu thereof.

Eight months' leave, on full pay with passage paid, is normally granted after four years' service.

There is a compulsory Provident Fund for Municipal Servants, of which the person appointed must become a member. Its chief points are as follows:—

Members contribute 10 per cent. of their salaries, and the Commissioners make a donation of a similar sum. After ten years' approved service, or at death, or (with certain conditions) on forced retirement at any time, the amount standing to an Officer's account (Contributor's subscriptions, and Commissioners' Donations with accrued interest) is paid to him or his representatives, as the case may be.

Penang is one of the beauty spots of the Eastern World. George Town is situated on the coast within three miles of the Penang Hills Railway, running up to the Hill Station 2400 feet above sea level. There are excellent facilities for swimming, riding, golf, tennis, cricket, and all usual games. The population of George Town is about 170,000 and the day temperature about 80° to 90° F.

Applications, stating whether married or single, and giving age and birthplace, with details of education, training, and experience generally, and referring particularly to the qualifications mentioned above, and accompanied by copies (not originals) of testimonials, to be lodged with Messrs. PEIRCE AND WILLIAMS, Chartered Civil Engineers, 1, Victoria-street, London, S.W.1, Agents for the Commissioners, not later than Monday, 20th March, 1939.

Further particulars, if desired, can be obtained from the Agents.

Preston Royal Infirmary.

Applications are invited for the post of HOUSE SURGEON vacant on the 1st April next.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, to be addressed to Mr. John Gibson, Superintendent, Royal Infirmary, Preston.

N.B.—This appointment is recognised as approved experience for the F.R.C.S. (Eng.).

King Edward VII Sanatorium,
MIDHURST.

The Council invite applications for the post of THIRD ASSISTANT MEDICAL OFFICER to the Institution.

Candidates must be duly qualified and registered and have had experience in Tuberculosis Work.

Some knowledge of after-care of patients following chest operations will be considered an advantage.

Salary £300 per annum, with board, lodging, and attendance.

Applications, with fourteen copies of not more than three recent testimonials, to be sent on or before 20th March to the Secretary to the Council, 31, Davies-street, London, W.1.

Chelmsford and Essex Hospital.
(155 Beds.)

HOUSE PHYSICIAN and HOUSE SURGEON required for the early part of April, Male or Female. Salary £150 per annum, with board, apartments, and laundry. Resident staff consists of two Resident Medical Officers.

Applications, stating age, qualifications, together with copies of three recent testimonials, should be sent to the undersigned not later than March 22nd.

R. G. MORRISH, Secretary.

City of Birmingham.

MENTAL DEFICIENCY ACT COMMITTEE.
MONYHULL COLONY.

RESIDENT LADY ASSISTANT MEDICAL OFFICER.

Applications are invited from single or widowed ladies who are duly qualified and registered Medical Practitioners for the position of Resident Assistant Medical Officer at the above institution.

The commencing salary will be £350 per annum, rising subject to satisfactory service by increments of £25 to £450 per annum, with full residential emoluments consisting of board, lodging, laundry, and attendance, valued for superannuation purposes at £200 per annum. An additional £50 per annum will be paid to a holder of a recognised post-graduate qualification in psychological medicine. A person who has held a resident house appointment will be regarded as having an additional qualification.

The candidate appointed will be required to pass a medical examination and will be placed on the permanent staff after a probationary period, when she will be required to contribute under the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. The appointment is subject to one month's notice on either side.

Applications, stating full particulars of qualifications, experience, and appointments held, accompanied by copies of three recent testimonials, must be addressed to the undersigned so as to be received not later than 27th March, 1939, and should be endorsed, "Appointment of Resident Lady Assistant Medical Officer, Monyhull Colony."

Canvassing, either directly or indirectly, will be a disqualification.

F. H. C. WILTSHIRE, Town Clerk.

Town Clerk's Office, Council House, Birmingham, 1.

Liverpool Cancer Control Organization.

Applications are invited for the post of qualified Full-time RADIOTHERAPIST to the above organisation. The person appointed will be in charge of radiotherapy (Radium and X rays) at the Liverpool Radium Institute, and will be expected to collaborate with the physicians, surgeons, radiologists, and radiotherapists to the remaining hospitals included in the organisation. Salary not less than £1200 per annum.

Applications, together with copies of three recent testimonials or three references, should reach the undersigned not later than 25th March, 1939.

A. V. J. HINDS, Hon. Secretary, Liverpool Cancer Control Organization, 641, India Buildings, Liverpool 2.

7th March, 1939.

Coventry and Warwickshire Hospital.
(347 Beds.)

Applications are invited for the post of HOUSE SURGEON which becomes vacant on March 31st next. The appointment will be for a period of seven months terminating on October 31st, 1939. Salary at the rate of £150 per annum together with full board, quarters, and laundry.

Applications, stating full particulars as to experience and qualifications should be addressed to the undersigned.

(Sgd.) S. CECIL HILL.

Coventry and Warwickshire Hospital,
COVENTRY.

Applications are invited for the post of NON-RESIDENT RADIOGRAPHER (Male). Applicants must have experience in Hospital work and hold the M.S.R. qualification.

Salary according to experience but not less than £300 per annum.

Applications, stating full particulars of training and experience, should be addressed to the House Governor and Secretary, Coventry and Warwickshire Hospital immediately.

Mansfield and District General
HOSPITAL, NOTTS.
(150 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) for a period of six months. Duties to commence at an early date. Salary £150 per annum with board, residence, and laundry. Two other RESIDENT HOUSE SURGEONS and HOUSE PHYSICIAN.

Applications, stating age, and qualifications, together with copies of three recent testimonials, to be sent to the undersigned not later than 16th March, 1939.

A. ASHWORTH, Secretary.

University of Durham.

MEDICAL SCHOOL, KING'S COLLEGE,
NEWCASTLE-UPON-TYNE.

JUNIOR DEMONSTRATOR IN ANATOMY.

Applications are invited from registered Medical Practitioners for the post of Junior Demonstrator of Anatomy.

Particulars may be obtained from the undersigned, to whom applications for the vacancy must be sent not later than 24th March, 1939.

W. G. B. OLIVER, Registrar, King's College, Newcastle-upon-Tyne, 2.

Royal Sussex County Hospital,
BRIGHTON.

Applications are invited for the office of HONORARY MEDICAL REGISTRAR, from ladies and gentlemen who hold a Medical qualification of the British Empire and who are duly registered under the Medical Acts.

The appointment will be for a term of three years, the successful candidate being eligible for re-election at the end of that period.

Applications must reach the undersigned at the Hospital before 12 noon on the 25th March, 1.39.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

The Royal Infirmary, Sunderland.
(288 Beds.)

HOUSE SURGEON (Male) required for six months from 1st April, 1939. Salary £120 per annum, with board, residence, laundry, &c.

Applications, stating age and qualifications, and accompanied by copies of testimonials, to be sent to the undersigned. The Resident Medical Staff consists of a R.S.O. and six others. The surgical appointments are recognised by the Royal College of Surgeons of England for the six months' training required of candidates before admission to the Final Examination for the Fellowship.

M. J. HUNTLEY, House Governor and Secretary.

Leicester Royal Infirmary.

HONORARY ASSISTANT SURGEON.

The Board invite applications for the post of an Honorary Assistant Surgeon. Candidates must be Fellows or Members by examination of the Royal College of Surgeons of England or Graduates in Surgery of one of the Universities of the United Kingdom or Ireland.

One Hundred Guineas annually is granted by the Board for out-of-pocket expenses.

Applications, accompanied by 100 copies of recent testimonials, to reach the undersigned by first post on Friday, April 14th. Candidates will be asked to interview the Board on Wednesday, April 19th, when the election will take place.

Canvassing is not allowed.

H. T. PLOWMAN, House Governor and Secretary.

March 6th, 1939.

Leicester Royal Infirmary.

RADIO THERAPEUTIST.

The post of Radio Therapeutist has been created, and the Board of Governors invite applications.

The Hospital is recognised by the Radium Committee as a Regional Centre and possesses 622 mgms. of Radium.

Treatment plant includes 3,200 K.V. Deep Therapy tubes and 1 contact therapy apparatus.

The position is a whole-time one (non-resident), with a salary of £500 per annum, and in addition a percentage of fees received from private cases treated at the Infirmary.

Applications should be addressed to the House Governor and Secretary on or before 29th March.

6th March, 1939.

City of Peterborough Education COMMITTEE.

TEMPORARY PART-TIME SCHOOL OCULIST.

Applications are invited from registered Medical Practitioners possessing special training in Ophthalmology for the above appointment.

The appointee would be expected normally to attend at the Town Hall once per week to undertake refractions and any other eye condition referred to him amongst school-children (and occasional squint cases amongst children of pre-school age), prescribing glasses, and checking suitable dispensing of same.

A room adapted to refractive work is provided in the Town Hall for the use of a School Oculist, together with certain essential equipment.

The appointee would be on the Medical Officer's staff.

The appointment is deemed suitable for registered Medical Practitioners on leave from Colonial Stations who are at an advanced stage of their course for the Diploma in Ophthalmology.

The fee stipulated by the British Medical Association —viz., 2½ guineas per session—will be paid together with any out-of-pocket travelling expenses necessarily incurred.

Applications, stating degree or diplomas held (or for which study is being pursued), age, experience and copies of any testimonials, to be sent to the Medical Officer of Health, Town Hall, Peterborough, not later than Wednesday, the 15th March, 1939.

ARTHUR J. REEVES, Town Clerk.

Oxford County and City Mental HOSPITAL.

FIRST ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above-mentioned position. Applicants should be under forty years of age, have had some previous Mental Hospital experience and possess the Diploma in Psychological Medicine.

The officer appointed must be prepared to assist at the clinics for the out-patient treatment of mental illness in the City of Oxford.

Commencing salary £500 per annum (including £50 for D.P.M.) rising by four annual increments of £25 to £600 per annum, together with house, light, fuel and garden produce, valued for superannuation purposes at £100 per annum.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act. The successful candidate will be required to pass a medical examination.

Applications, accompanied by copies of not more than two recent testimonials, should be sent to the Medical Superintendent, Littlemore Hospital, Nr. Oxford, before the 18th March, 1939.

The Royal Sussex County Hospital, BRIGHTON. (272 Beds.)

A MAYO FELLOWSHIP IN ANÆSTHETICS has been established at The Royal Sussex County Hospital tenable in the first instance for twelve months. The Nuffield Professor of Anæsthetics in the University of Oxford will be associated with all matters appertaining to this appointment, and in particular will supervise research work, facilities for which will be provided in the Hospital and in the Stephen Ralli Memorial Laboratory.

The Mayo Fellow will be in charge of the anæsthetic department, under the Honorary Anæsthetists. He will rank as Senior Resident Medical Officer, and as such will have certain administrative duties assigned to him.

The Fellowship is of the value of £300 per annum, with board, residence and laundry.

The candidate appointed will be expected to assume duty on the 1st May, 1939.

Applications, with copies of testimonials, should be sent not later than the 31st March, 1939, to the undersigned, from whom further particulars can be obtained if required.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

County Borough of Ipswich.

IPSWICH BOROUGH GENERAL HOSPITAL

MEDICAL SUPERINTENDENT.

Applications are invited from fully qualified Medical Practitioners under forty-five years of age for the appointment of Medical Superintendent (Non-resident) at the Ipswich Borough General Hospital.

Preference will be given to applicants who have held resident Surgical and Medical posts and have had experience in the administration of a General Hospital.

The inclusive salary will be £900 per annum, rising by biennial increments of £50 to £1100 per annum.

The appointment will be terminable by three months' notice on either side.

Applications, stating age, experience and qualifications, accompanied by copies of not more than three recent testimonials and endorsed "Medical Superintendent," should be received by the undersigned not later than the 18th March, 1939.

Forms of applications with conditions of service may be obtained from the Medical Officer of Health, Elm-street, Ipswich.

A. MOFFAT, Town Clerk.

Town Hall, Ipswich, 23rd February, 1939.

Bucks County Council.

APPOINTMENT OF COUNTY MEDICAL OFFICER AND SCHOOL MEDICAL OFFICER.

Applications are invited for the post of County Medical Officer combined with the post of School Medical Officer for the County of Buckingham at a salary of £1200 per annum, rising by annual increments of £50 to £1400 per annum, with travelling expenses on the County Council's scale. After fifteen years' service a further increase of £100 per annum would be granted.

Applicants must be duly qualified Male Medical Practitioners registered in the Medical Register as holding a Diploma in Sanitary Science, Public Health or State Medicine. The duties will be as prescribed by statute, any rules, orders or regulations made thereunder and such other public health or school medical duties not incompatible with the above as the Council may direct. The officer will be required to devote his whole time to the duties of the post.

The Local Government Superannuation Act, 1937, will apply, and the officer will be required to pass satisfactorily a medical examination.

Forms of application, together with the terms of appointment, may be obtained from the undersigned, and must be returned to the undersigned at the County Hall, Aylesbury, together with copies of not more than three recent testimonials by 10 A.M. on Saturday, the 18th day of March, 1939.

Canvassing will disqualify.

GUY R. CROUCH, Clerk of the Bucks County Council.

County Hall, Aylesbury, 23rd February, 1939.

County Council of the West Riding of YORKSHIRE.

SCALEBOR PARK MENTAL HOSPITAL, BURLEY-IN-WHARFEDALE, near ILKLEY.

The Visiting Committee of the Scalebor Park Mental Hospital for private patients invite applications from duly registered Medical Practitioners for the appointment of MEDICAL SUPERINTENDENT at the Scalebor Park Mental Hospital (280 Beds).

Applicants must have had previous experience as the Medical Superintendent or a Senior Medical Officer of a Mental Hospital and possess the Diploma in Psychological Medicine.

The minimum and maximum salaries fixed for the position are £1000 and £1400, with an unfurnished house, the annual increments being £50. The commencing salary to be paid will be within the limits of £1000 and £1250 according to qualifications and experience to be fixed at the discretion of the Visiting Committee.

Further particulars and form of application may be obtained from the undersigned, by whom all applications, together with copies of not more than three recent testimonials, must be received not later than the 27th March, 1939.

J. CHARLES MCGRATH, Clerk to the Visiting Committee.

County Hall, Wakefield, February, 1939.

The West Riding of Yorkshire Mental HOSPITALS BOARD.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER.

MENSTON MENTAL HOSPITAL.

Applications are invited for the appointment of an Assistant Medical Officer in the Board's service at the above Mental Hospital, at a commencing salary of £350 per annum, rising by annual increments of £25 to a maximum of £450, together with emoluments (board, apartments, and laundry) valued at £120 per annum. The Board will allow an extra £50 per annum to the successful candidate who (whilst on this scale) holds or obtains the Diploma in Psychological Medicine, for which this Hospital affords special study facilities.

It will be an advantage if candidates have had at least one year's experience in general medicine after qualification.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, Class I.

Applications, with copies of not more than two recent testimonials, stating age and full particulars, to reach the Medical Superintendent, West Riding Mental Hospital, Menston, near Leeds, not later than 20th March, 1939.

There is no printed form of application.

G. L. BANNER, Clerk of the Board.

Board Offices, Wakefield, March, 1939.

Warrington Infirmary and Dispensary.

The post of THIRD RESIDENT will fall vacant on 1st April, 1939, and applications are invited from Male candidates, who must be duly qualified Medical Practitioners and unmarried. Salary at the rate of £150 per annum, with board, lodging and laundry.

At the expiration of six months' term of office and subject to the recommendation of the Medical Board the Third Resident is appointed Second Resident (salary £175 per annum) and then Senior Resident (salary £250 per annum) for similar periods. Candidates should therefore be prepared, if successful, to remain at the Hospital for eighteen months in all.

Applications, stating age and qualifications, accompanied by copies of three recent testimonials, should be sent in not later than first post on Tuesday, 14th March. Chosen candidates will be interviewed on Friday, 17th March, 1939.

By order,

HENRY L. BOOT, Superintendent and Secretary.

27th February, 1939.

County Mental Hospital, Rainhill, LANCS.

Wanted, ASSISTANT MEDICAL OFFICER (Male). Salary £550 per annum, rising to £600 after one year's satisfactory service. The successful applicant will be expected to obtain a diploma in Psychological Medicine within two years of appointment, on obtaining which an additional £50 per annum will be paid.

In the case of the successful candidate being single, a deduction of £150 per annum is made from the salary for board, furnished apartments, attendance and washing, but in the case of a married man being appointed, an unfurnished house on the estate can be provided at a rental of £50 per annum.

Facilities for Laboratory and Research work. Preference given to one who has held a resident post in a General Hospital.

Applications, with testimonials and full particulars, to be sent to the Medical Superintendent and to be received not later than Thursday, 16th March, 1939.

The Royal Infirmary, Sunderland.

(288 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to the FRACTURE AND ORTHOPÆDIC DEPARTMENT for a period of one year in the first instance at a salary of £225 per annum, with board, residence, laundry, &c.

Candidates must have had good experience as a House Surgeon and previous Orthopædic experience is desirable.

Applications, stating age, nationality, and qualifications, and accompanied by copies of three testimonials, should be sent to the undersigned not later than 24th March, 1939.

M. J. HUNTLEY, House Governor and Secretary.

Derbyshire County Council.

BRETBY HALL ORTHOPÆDIC HOSPITAL.
(147 Beds.)

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the post of Junior Resident Assistant Medical Officer at the above Institution. Preference will be given to candidates who have held resident Hospital appointments, and who are competent anæsthetists. Orthopædic experience is not essential, but will be considered an additional qualification.

Salary at the rate of £350 per annum, rising by annual increments of £25 to £450 per annum, with board, residence, and laundry.

The successful candidate will devote the whole of his time to the duties of his office.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922, and the person appointed will be required to pass a medical examination.

Application forms may be obtained from the undersigned to whom they must be returned, together with copies of not more than three recent testimonials, on or before 18th March, 1939.

W. M. ASH, County Medical Officer.

New County Offices, Derby, 27th February, 1939.

Royal South Hants and Southampton

HOSPITAL. (295 Beds.)

Applications are invited for the following appointments:—

One RESIDENT ANÆSTHETIST.

One HOUSE SURGEON to the general surgical and ear, nose, and throat wards.

for the six months commencing 1st April, 1939, each at a salary of £150 per annum, with board, residence, and laundry. Candidates must be Male and unmarried.

Applications, accompanied by not more than three testimonials, should be sent to the undersigned not later than Thursday, 16th March.

S. W. BARNES, House Governor and Secretary.

Northampton General Hospital.

There is a vacancy for a HOUSE SURGEON to the EAR, NOSE AND THROAT DEPARTMENT. Salary will be at the rate of £150 per annum, with board, residence and laundry. Candidates, who must be duly qualified and registered, must be males, and of British nationality.

The successful candidate will be elected for a period ending 30th September, 1939, and will be eligible for election for a further period of six months.

Applications, stating age, qualifications, &c., with copies of three testimonials, must reach the undersigned not later than first post on Wednesday, 15th March, 1939.

GORDON S. STURTRIDGE, M.B., B.S., Superintendent.

27th February, 1939.

The Nottingham Hospital for Women.

HOUSE SURGEON (Male or Female) required to commence duties on 1st April, 1939. Appointment for period of not less than six months. Salary at the rate of £150 per annum, with board, residence and laundry. Previous hospital experience essential.

Applications, stating age, experience and qualifications, accompanied by copies of three recent testimonials, to be sent forthwith to the Secretary, Mr. A. L. MORELL, Burton Buildings, Upper Parliament-street, Nottingham.

County Borough of Brighton.

SENIOR RESIDENT MEDICAL OFFICER AT THE BOROUGH INFECTIOUS DISEASE HOSPITAL AND SANATORIUM.

The Council invite applications for the above appointment from duly qualified unmarried Male Medical Practitioners under forty years of age.

The salary will be at the rate of £450 per annum, rising by annual increments of £25 to £500, together with board and lodgings at the Borough Sanatorium. Preference will be given to candidates possessing a Diploma in Public Health. The post affords good opportunities of obtaining an insight into all branches of work of the Health Department.

Forms of application and particulars of the duties to be performed, and of the conditions upon which the appointment will be made, may be obtained from the undersigned.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Applications (with copies of three recent testimonials enclosed), endorsed "Appointment of Senior Resident Medical Officer," must be delivered at my office before 10 A.M. on Monday, 27th March, 1939.

Canvassing members of the Council, either directly or indirectly, will disqualify any applicant for the position.

DUNCAN FORBES, Medical Officer of Health.

Royal York Buildings, Brighton, 1, 3rd March, 1939.

Royal Hampshire County Hospital,

WINCHESTER.
(187 Beds. 5 Resident Officers.)
Hospital recognised by the Royal College of Surgeons, England.

TWO HOUSE SURGEONS.

Applications are invited from fully qualified men for the above post, to take up duties on the 1st April. Six months' appointment. Salary £100 per annum, with board, residence, and laundry. Candidates, who must be of British nationality, to make application to the undersigned, enclosing copies of three testimonials.

Applications must be received by Monday, the 13th March.

H. EWART MITCHELL, Superintendent and Secretary.

28th February, 1939.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital, to commence duty on 15th April, 1939. The appointment will be for a period of six months with salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months the salary will be at the rate of £200 per annum.

St. Chad's Hospital contains 147 beds, and the cases treated include general medical, acute surgical, and maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician and Anæsthetist" and accompanied by copies of three recent testimonials, must be delivered not later than 25th March, 1939.

Canvassing directly or indirectly will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th March, 1939.

County Borough of Stockport.

STEPPING HILL HOSPITAL.
(453 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Practitioners for the post of Resident Assistant Medical Officer (Male) at the above Hospital.

Salary £350 per annum, with board, residence, and laundry.

The appointment will be for one year, and is determinable by one month's notice on either side.

The person appointed will be required to devote the whole of his time to the duties of the office. Experience in Surgery and Obstetrics will be a special recommendation.

Applications, stating age, qualifications, and experience, together with copies of three testimonials, are to be sent to the Medical Officer of Health, Town Hall, Stockport, endorsed "Assistant Medical Officer."

F. KNOWLES, Town Clerk.

Town Hall, Stockport, 6th March, 1939.

Woking and District Victoria Hospital.

HON. OPHTHALMIC SURGEON.

Applications are invited for the appointment of Hon. Ophthalmic Surgeon, with charge of one Out-patient session weekly. The Hospital is one of 50 beds, including 3 private wards.

Applications, with recent testimonials, to be sent to the Hon. Secretary by April 1st, 1939.

County Borough of Huddersfield.

ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the above post, for which a good knowledge of diseases of children is essential. Experience in bacteriology or in mental deficiency work would be considered an additional qualification.

Salary according to scale—£500 per annum, increasing by £25 per annum to £700. The commencing salary will be based on the candidate's previous experience.

The post is designated under the Superannuation Act, 1922, and the appointment, therefore, is subject to a satisfactory medical examination.

Applications, stating age and giving full particulars regarding training, qualifications, and appointments held since qualification, should be forwarded to the Medical Officer of Health, along with copies of two recent testimonials, so as to reach him not later than Thursday, the 16th March, 1939.

Argyll and Bute District Mental HOSPITAL, LOCHGILPHEAD, ARGYLL.

ASSISTANT MEDICAL OFFICER (MALE).

Applications are invited for the post of Resident Assistant Medical Officer at the above Institution.

Salary £400 per annum, with board, lodging, and laundry, rising to £450, and an additional £50 per annum will be paid if holding, or obtaining, a recognised Diploma in Psychological Medicine.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age, qualifications and previous experience, and accompanied by copies of testimonials, should be sent immediately to the Medical Superintendent.

Scarborough Hospital, Yorkshire.

Wanted, May 1st, 1939, two HOUSE SURGEONS and one HOUSE PHYSICIAN (all Female).

Appointments are for six months.

The House Physician is in charge of Ophthalmic patients in addition to the Medical Wards.

Salary at the rate of £150 per annum, together with board, residence, laundry, &c.

Applications, stating age and experience, together with copies of not more than three recent testimonials, to be sent to the Hon. Secretaries, not later than the first post on March 20th, 1939.

King Edward VII Hospital, Windsor.

(200 Beds.)

HOUSE SURGEON and HOUSE PHYSICIAN required for April. Applicants must be fully qualified men or women and registered and unmarried.

Salary at the rate of £120 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications and experience, accompanied by testimonials, should be sent to the undersigned not later than March 15th.

A. E. CHURCHER, Secretary.

Royal Berkshire Hospital, Reading.

(338 Beds.)

Applications are invited for the post of HOUSE PHYSICIAN (Male) which falls vacant on April 22, 1939.

Appointment is for six months, and candidates must be fully qualified and registered.

Remuneration at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age and experience, with copies of testimonials, to be sent to the undermentioned on or before March 20, 1939.

H. E. RYAN, Secretary and House Governor.

Royal Berkshire Hospital, Reading.

The Board of Management invite applications for the appointment of HONORARY SURGEON.

Candidates must be Fellows of one of the Royal Colleges of Surgeons of the British Empire or Surgical Graduates of one of the Universities of the British Empire and their names entered on the Medical Register.

The elected candidate will be appointed for the period ending on the third Tuesday in January, 1940, and will be eligible for re-election.

Canvassing on the part of a candidate or on his behalf will disqualify him.

Candidates are required to provide seventy-two copies of their application and testimonials, which must be addressed to the Secretary and reach him not later than 9 A.M. on 1st April, 1939.

No testimonials will be required from candidates who are members of the existing Medical Staff.

The Assistant Honorary Surgeon is an applicant for the post and in the event of his election, the post of Honorary Assistant Surgeon which he vacates will be filled.

The election will be held on Tuesday, April 18th, 1939.

By Order,

H. E. RYAN, Secretary and House Governor.

County Council of Durham.

APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Temporary Assistant Medical Officer of Health (Male) at a commencing salary of £600 per annum. The appointment is subject to one calendar month's notice on either side, and it is expected that it will be for a duration of two years' at least. Travelling and subsistence allowances will be paid in accordance with the Council's scale.

Applicants must be registered Medical Practitioners under the age of fifty-five years, and should if possible, possess a qualification in Public Health and have held a post in an Infectious Diseases Hospital. Experience in the examination and certification of mentally defective children and adults will be an additional recommendation.

The officer appointed will be required to devote the whole of his time to the duties of the office, which includes medical work associated with the County Council's Air Raid Precautions Scheme, and will not be allowed to engage in private practice. He will also be required to undertake such other Public Health duties as may be allotted to him by the County Medical Officer of Health under whose direction he will work. He will be required to pass a medical examination.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, should be forwarded to the County Medical Officer of Health, Shire Hall, Durham, not later than first post on Monday, 27th March, 1939.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 7th March, 1939.

Exeter City Mental Hospital.

MEDICAL SUPERINTENDENT.

The Visiting Committee of the Exeter City Mental Hospital invite applications for the appointment of a Medical Superintendent at a salary of £750, rising to £900 per annum by three annual increments of £50, subject to deductions under the Asylum Officers' Superannuation Act, 1909. The emoluments will include unfurnished house, coal, lighting, laundry, and garden produce.

Age of applicants must not exceed forty-five years.

Experience of at least six years in a Mental Hospital is essential and it is desirable that candidates should have acted as House Physician and/or House Surgeon in a General Hospital.

Forms of application and further particulars may be obtained at my office, 10, Southernhay West, Exeter.

Applications, endorsed "Medical Superintendent," together with copies of not more than three recent testmonials, must reach me not later than Monday, 27th day of March, 1939.

Canvassing will disqualify.

C. J. NEWMAN,
Town Clerk and Clerk to the Visiting Committee.

Exeter, 7th March, 1939.

Addenbrooke's Hospital, Cambridge.

(316 Beds.)

The General Committee invite applications for the appointment of an HONORARY SURGEON to fill a vacancy occur ring on 31st December, 1939.

Applications, accompanied by copies of three recent testimonials, should be sent to the undersigned on or before Thursday, 6th April, 1939.

Sixteen copies of the application and testimonials should be sent for the use of the Selection Committee.

Personal canvass of the Committee is expressly forbidden.

J. A. BEARDSALL, Secretary-Superintendent.

March 3rd, 1939.

County Borough of Warrington.

BOROUGH GENERAL HOSPITAL. (300 Beds.)

RESIDENT MEDICAL OFFICER. (Male.)

Applications are invited for the post of Resident Medical Officer (Male).

Salary £225 per annum, together with board, residence, and laundry at the Hospital.

The above is a General Hospital appropriated by the Local Authority under the Public Health Acts, and the duties of the candidate appointed will chiefly comprise the treatment of patients of the male Medical and Surgical Wards.

An opportunity for doing some surgical work will be afforded.

Preference will be given to candidates who have held resident hospital appointments.

There is another Medical Officer in residence, and in addition a Visiting Medical Officer.

Candidates must be single, not exceeding thirty-five years of age, fully qualified and registered.

Appointment for six months, which may be extended for a further period of six months by mutual agreement (appointment limited to one year).

Applications, stating age, qualifications, and experience, together with copies of not less than three testimonials, to be sent to the undersigned not later than first post, Tuesday, 28th March, 1939.

STUART F. ALLISON, M.B., Ch.B., D.P.H.
Medical Officer of Health and
Medical Superintendent of Corporation Hospitals.

Health Department, Warrington, March, 1939.

Borough of Oldbury.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for the above appointment from registered Medical Practitioners holding the Diploma of Public Health and with experience in Antenatal work. Preference will be given to those who have held a resident appointment at a maternity hospital with an antenatal clinic.

The person appointed will be required to devote the whole of his or her time to the duties which will be performed under the direction of the Medical Officer of Health, and will consist chiefly of School Medical and Maternity and Child Welfare work, together with such other duties relating to Public Health and Air Raid Precautions as may be required.

Salary will commence at £600 per annum, rising by annual increments of £50 to £700 per annum, with £30 per annum travelling allowance.

Application forms, with further particulars of the appointment may be obtained from the undersigned, and should be returned, together with copies of three recent testimonials, not later than the first post on the 23rd March, 1939, endorsed "Assistant Medical Officer."

ARTHUR CULWICK, Town Clerk.

Municipal Buildings, Oldbury, 1st March, 1930.

Doncaster Royal Infirmary.

(185 Beds.)

Applications are invited for the post of ORTHOPÆDIC HOUSE SURGEON, who will be required to carry out his duties under the direction of an Honorary Orthopædic Surgeon.

Previous Orthopædic experience desirable but not essential.

Salary at the rate of £150 per annum, with residence, board, and laundry.

The appointment is for six months.

Applications, accompanied by copies of not more than three recent testimonials, to be sent to the undersigned.

R. LANCASTER, Secretary-Superintendent.

City of Manchester.

WITHINGTON HOSPITAL. (1184 Beds.)
(Recognised under the regulations for the F.R.C.S.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the Withington Hospital, West Didsbury, Manchester, 20.

The salary for the appointment is £200 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 23rd March, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 7th March, 1939.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of CASUALTY HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

County Borough of Preston.

SHAROE GREEN HOSPITAL
(250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER
(Female).

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 per annum, with full board, and residence. The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should reach the Medical Superintendent not later than first post on the 24th March, 1939.

Royal Sheffield Infirmary and Hospital.

The Court of Management have decided to add a NEUROLOGICAL SURGEON to the Staff and they invite applications from fully qualified candidates.

Particulars may be obtained from :—

W. H. BOOTH, Secretary,
Royal Hospital, West-street,
Sheffield, 1.

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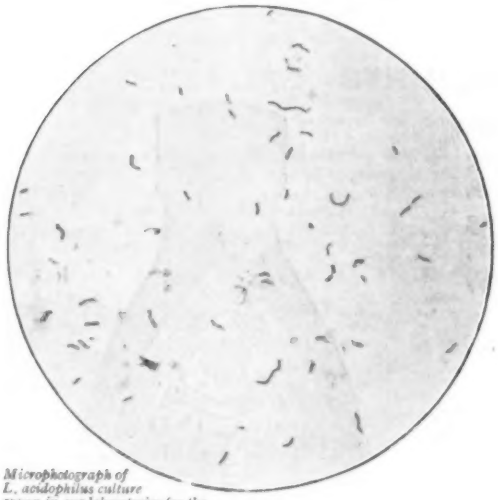

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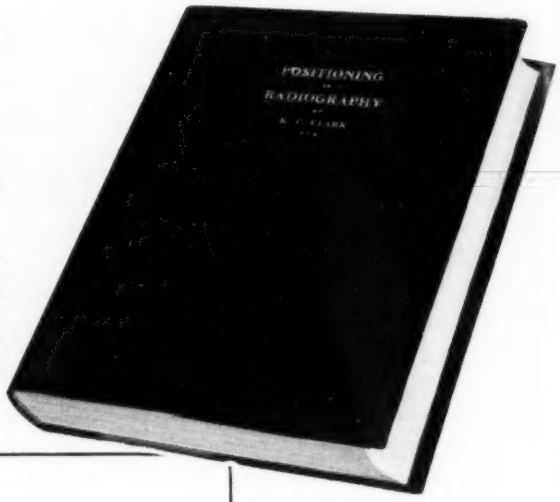

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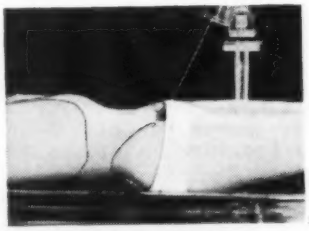
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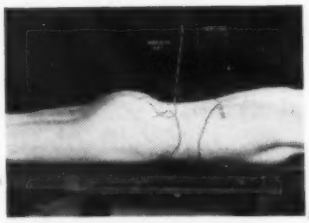

307

308

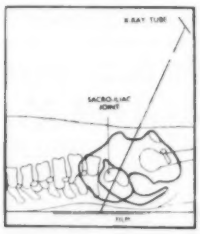
Pelvic Girdle: Sacro-iliac Joints

ANTERO-POSTERIOR

With the patient supine, the shoulders are raised to eliminate the lumbar arch, and the knees are flexed over a small sandbag.

CENTRE above the upper border of the symphysis pubis, with the tube angled 10 degrees to 25 degrees toward the head, as required by the degree of lumbo-sacral angulation.

(304, 305, 306)



306

POSTERO-ANTERIOR

The patient is placed in the prone position, with a sandbag under the ankles.

CENTRE to the lumbo-sacral articulation, at the level of the posterior inferior iliac spines, with the tube angled 5 degrees to 15 degrees toward the feet as required.

(307, 308)

NOTE—Films taken in this position show the anterior borders of the sacro-iliac articulation clearly defined. Postero-anterior view (308) should be compared with antero-posterior view (305), both of the one subject.

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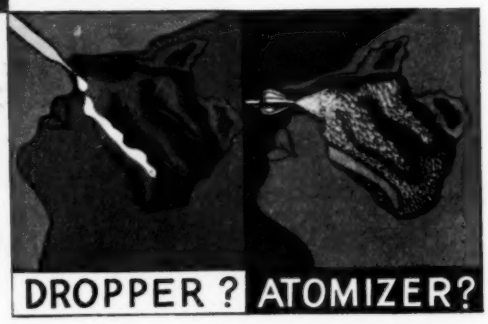

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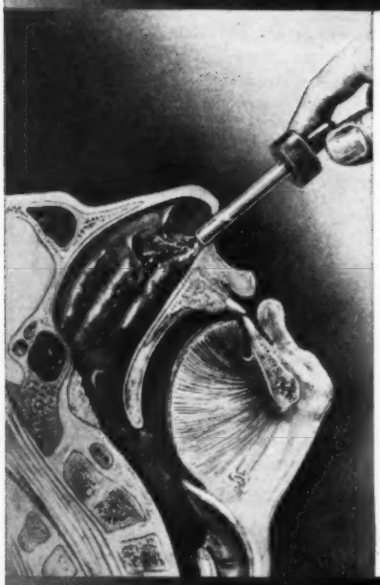

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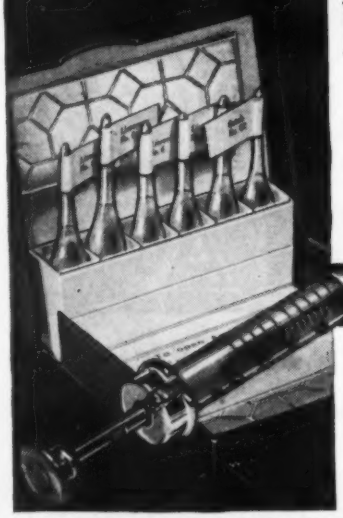

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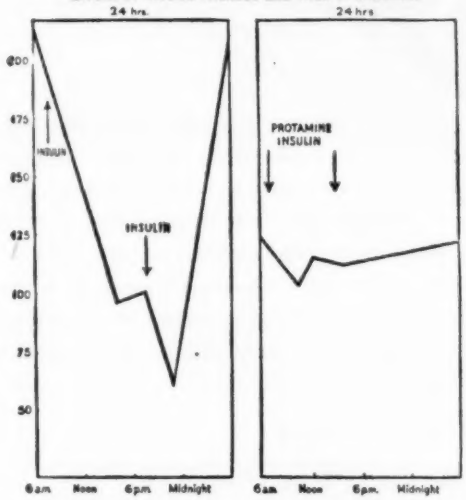

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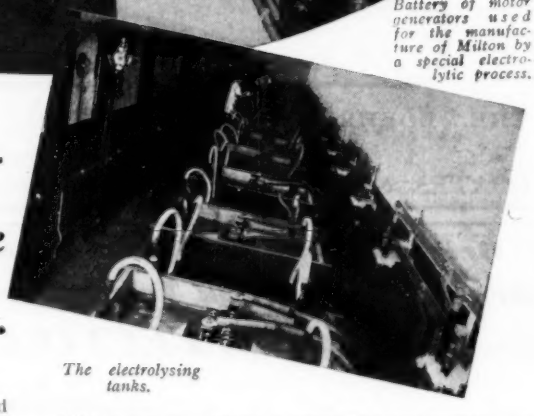

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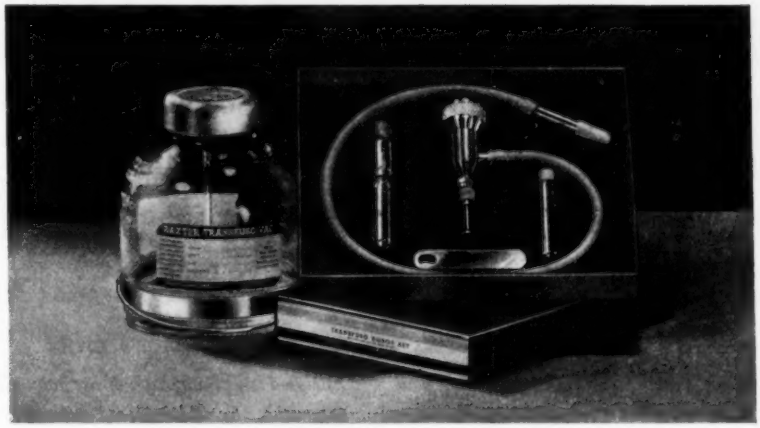

THE BAXTER

"TRANSFUSO VAC" and "TRANSFUSO DONOR SET"

Blood is drawn from the Donor into the sealed "Transfuso Vac" containing the required proportion of Sodium Citrate in a 28" vacuum, under completely aseptic conditions.

The "Transfuso Vac" containing the Citrated Blood then constitutes a perfect dispensing unit, hermetically sealed, and may be used for an immediate transfusion or alternatively refrigerated in a blood bank, without exposing the Citrated Blood to contamination.

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Medical Sales Department

WIGMORE STREET, LONDON, W.I.

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Gratitude . .

Is gratitude a proof of help, of timely advice, of a happy end to difficulties? The letters of gratitude which come to us week by week, all the year round, from mothers all over the country are the best possible proof of the excellence of Nestlé's Milk for infant feeding. The best possible proof because these letters are entirely spontaneous. Here are two which are typical of hundreds we receive each year:

"AWARDED FIRST PRIZE BY TWO DOCTORS"

It gives me great pleasure to write to you saying how pleased I am at having fed my baby girl firstly on Nestlé's Milk and then with Nestlé's Milk Food. Baby never misses a feed and is always satisfied after having it. I am always receiving compliments on her being a perfect picture of health, and was persuaded to enter her in the Baby Show at Cranford, I am delighted to tell you that after careful examination by two Doctors and a Matron *she was awarded first prize — a Silver Cup.*

"ON DOCTOR'S ADVICE"

Enclosed is a photograph of my baby girl, aged 6 *months. I could not feed baby myself and so tried three or four different foods, but none would suit. She vomited everything back and was losing two ounces a week. She was very ill, but the first week on Nestlé's Milk she gained steadily. I put her on Nestlé's Milk* on the Doctor's advice *after he had taken food tests. Now at* 6 *months baby is a fine little girl, thanks to Nestlé's Milk.*

Nestlé's Milk can be confidently recommended for backward or ailing babies—even when all other foods have failed—owing to its high nutritive value and ease of digestibility. The Nestlé's process conserves the essential vitamin content but breaks down the harsh irregular curd of fresh milk into a fine flaky suspension which is readily assimilated. It is a splendid builder of straight, sturdy bones.

Nestlé's Milk

THE DENTAL CASE FOR WHOLE WHEAT CRISPBREAD

THE dental case for 'Vita-Weat' is important and interesting. It falls under two heads; the value of its physical texture and consistency, and the value of the vitamins it contains.

A bread of the consistency and flavour of 'Vita-Weat' stimulates the flow of saliva, aiding the digestion, washing away epithelial debris and cleansing the exposed surfaces of the teeth. It has long been known that peoples who live on crisp, hard and crusty breads usually have very good teeth. Compared with soft, crumb breads, 'Vita-Weat' forces the teeth to do the work for which they were intended, and without which they are inclined to deteriorate.

The two Vitamins A and D are also valuable 'protective' agents in the dental sense. Vitamin A is known to influence the integrity of the tooth-germ at one stage of its growth, and a deficiency of Vitamin A during growth may result in Pyorrhoea in later life. Vitamin D has been found by Professor Mellanby to counteract the toxic effect of cereals upon the teeth.

διὰ δὴ ταύτην τὴν αἰτίην καὶ οὗτοί μοι δοκέουσι ζητῆσαι τροφὴν ἁ ὁμόζουσαν τῇ φύσει καὶ εὑρεῖν ταύτην, ἣ νῦν χρεώμεθα. ἐκ μὲν οὖν τῶν πυρῶν βρέξαντές σφας καὶ πτίσαντες καὶ καταλέσαντές τε καὶ διασήσαντες καὶ φορύξαντες καὶ ὀπτήσαντες ἀπετέλεσαν ἄρτον.

HIPPOCRATES:—ΠΕΡΙ ΑΡΧΑΙΗΣ ΙΗΤΡΙΚΗΣ, 3.16–21

● *A little booklet has been prepared for the medical profession, briefly summarising these and the many other points in the case for a whole wheat crispbread. It will gladly be sent free to any doctor on application to Peek Frean & Co. Ltd., Keetons Road, London, S.E. 16*

Vita-Weat (Reg'd)

THE BRITISH WHOLE-WHEAT CRISPBREAD

'OVALTINE'

For Restful Sleep

THE control of insomnia presents a problem that often cannot be effectively or safely solved by recourse to the use of hypnotic drugs.

'Ovaltine' provides a safe and natural means of inducing sleep in many cases, especially where the basis of the insomnia is digestive unrest, nocturnal hunger or nervous instability. Taken before retiring, it promotes quiet and restful sleep, by reason of its gentle sedative effect on the nervous system and its faculty of assisting digestive ease.

'Ovaltine' is composed of pure natural food-stuffs only—fresh full-cream milk, new-laid eggs and rich malt extract. It is a really complete food, rich in readily assimilable calcium and phosphorus and in the vitamins A, B (complex) and D. It is possessed of a truly delightful taste and is appreciated by every type of patient.

A liberal supply for clinical trial sent free on request.

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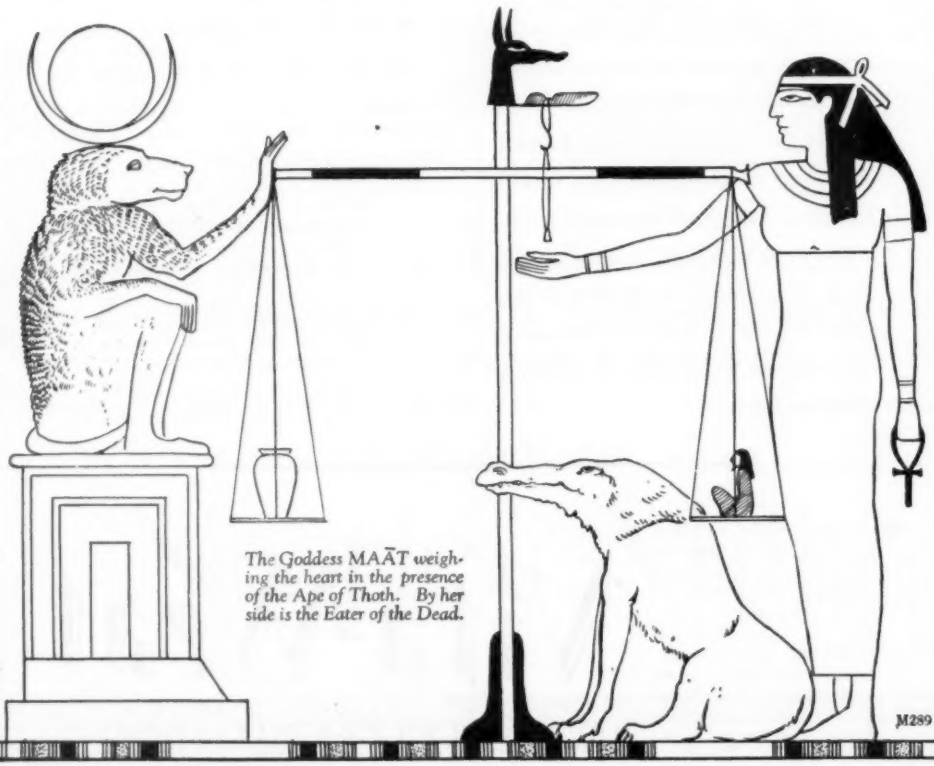

The Goddess MAĀT weighing the heart in the presence of the Ape of Thoth. By her side is the Eater of the Dead.

STILBŒSTROL-BOOTS

(Diethylstilbœstrol)

A synthetic compound which clinical trails have shown to be as effective as the naturally occurring œstrogens and to be highly active when administered by the mouth.
Excellent clinical results have been obtained in the treatment of Amenorrhœa, Menopausal disorders, Kraurosis vulvae, Senile vaginitis, and Leucoplakic vulvitis.

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is supplied as follows:

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Ampoule of 1 mg.	10d.
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DISCOUNT TO THE MEDICAL PROFESSION
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Stilbœstrol Dipropionate

Supplies of STILBŒSTROL DIPROPIONATE are also available for issue on request. The possibility that this esterified product may have certain advantages over ordinary Stilbœstrol is being tested for us by a team of workers on behalf of the Therapeutic Trials Committee of the Medical Research Council.

●

BOOTS PURE DRUG COMPANY LTD.
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In Depressive States

'Benzedrine' Brand Tablets will often produce a sense of increased energy, capacity for work, and mental alertness in patients suffering from asthenia, fatigue, or depression. Their use in depressive psychopathic cases should be confined to patients in appropriate institutions or those under the immediate observation of a physician.

The following articles, selected from an extensive bibliography on the subject, discuss the application of 'Benzedrine' Brand Tablets in depressive states.

BIBLIOGRAPHY

The Effect of Benzedrine on Depressive States. *Jour. Mental Sci.*, **82** : 618, Sept., 1936.

Effect of Benzedrine Sulfate on Mood and Fatigue in Normal and in Neurotic Persons. *Arch. Neur. & Psych.*, **36** : 816, Oct., 1936.

A Clinical Study on the Effect of Benzedrine Therapy on Self-Absorbed Patients. *Psych. Quart.*, **10** : 652, Oct., 1936.

Clinical Observations on the Effect of Benzedrine Sulphate. *Proc. Staff Meet. Mayo Clinic*, **12** : 97, Feb. 17, 1937.

The Central Action of Beta-Aminopropyl-Benzene (Benzedrine). *J.A.M.A.*, **108** : 528, Feb. 13, 1937.

The Stimulating Action of Benzedrine Sulfate. *J.A.M.A.*, **108** : 1770, May 22, 1937.

Observations on Benzedrine. *Brit. Med. Jour.*, **1** : 1013, May 15, 1937.

Nervous Diseases. *Practitioner*, **139** : 385, Oct., 1937.

The Clinical Effects of Benzedrine Sulphate in Mental Patients with Retarded Activity. *Psych. Quart.*, **12** : 66, Jan., 1938.

Further Observations on Benzedrine. *Brit. Med. Jour.*, **2** : 60, July 9, 1938.

'BENZEDRINE'
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TABLETS

Each tablet contains 5 mg. β-amino*iso*propylbenzene sulphate (amphetamine sulphate)

Distributed by

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Research at The Evans Biological Institute has resulted in the issue of Streptocide in solution as an ointment. The solvent used is non-toxic and the ointment may be applied over extensive areas. Streptocide Ointment contains 5 per cent. of Streptocide. There are numerous infective conditions of the skin in which its use is indicated. Favourable reports have been received concerning the following :—

Cellulitis	Impetigo
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Issued in 2-oz. Collapsible Tubes ... ... **2/3** each
" " 1-lb. Tins ... ... **13/–** "

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Streptocide is also issued in the form of a non-greasy cream, which is specially recommended in acute inflammatory conditions when rapid absorption of the drug is desired.

Issued in 2-oz. Collapsible Tubes ... ... **2/6** each
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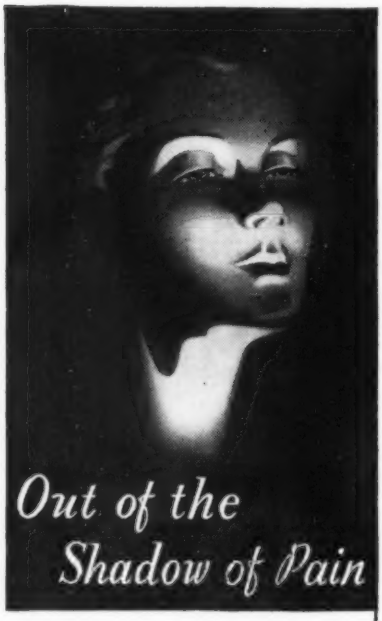

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Pain is the dominant symptom which induces the majority of patients to seek medical aid; hence the practitioner's reputation depends in no small degree upon his skill in relieving pain. For this he cannot have a more reliable ally than Veganin.

Veganin presents a synergistic combination of acetylsalicylic acid, phenacetin and codeine and is considered one of the safest analgesics. It is quickly absorbed and its action is prompt and prolonged.

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Veganin has proved particularly serviceable in the treatment of headaches, migraine, rheumatic affections, post-operative and post-puerperal pain, in the backache and muscular pains of influenza.

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Supplied in tubes of 10 and 20; boxes of 100, 500 and 1,000 for dispensing.

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Made in England

High Blood Pressure Metabolic Disorders and the Anaemias

constitute a "tripod" of Modern Disease

By dilating the peripheral blood vessels, Dr. Buergi's preparation of chlorophyll ('Phyllosan' tablets) becomes a therapeutic weapon in the treatment of high blood pressure. As it also *augments the force of the heart beat*, the circulation is adequately maintained.

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To speed up the latter is to renew the former. Bodily sluggishness and mental retardation are nowadays linked up with low basic metabolic rates—as for example, in myxœdema.

Finally, by reason of its chemical affinities to hæmoglobin and its "catalyst" action, chlorophyll is able to *stimulate the blood-forming apparatus*. The indications for the use of 'Phyllosan' tablets in anæmic conditions are soundly rooted in laboratory tests and abundantly confirmed in the clinic.

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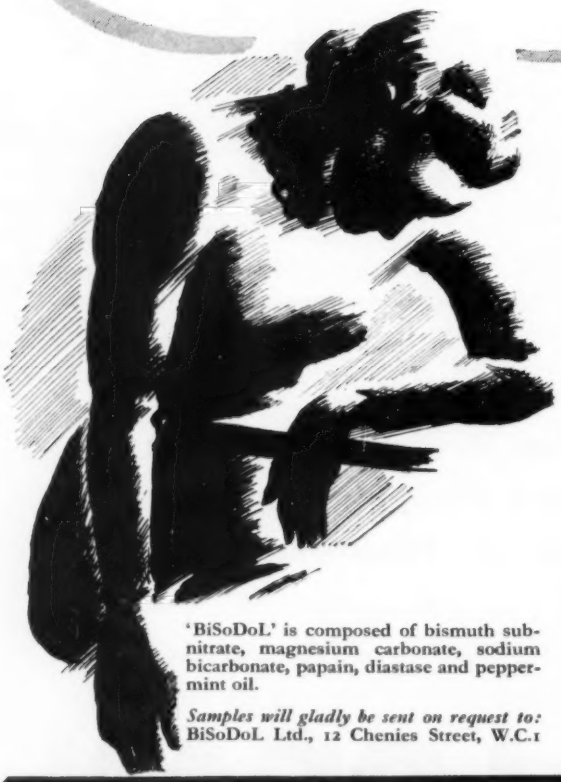
morning sickness . . .

of pregnancy



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Pleasantly flavoured with Oil of Peppermint and forming a palatable suspension in a small amount of water, 'BiSoDoL' will prove acceptable to your sensitive patient.

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Solution in ampoules (1 c.c.) for parenteral administration

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IN ULCER PATIENTS

'Aludrox' is superior to alkalis in the management of peptic ulcer.

'Aludrox' fits perfectly into the diet-antacid treatment and provides more comfort for the patient.

It may be used in large doses for an indefinite period of time without ill-effects. Peptic ulcers heal with greater rapidity.

Wyeth's **'ALUDROX'**

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AMPHOTERIC GEL

A colloidal suspension of hydrated alumina. It is free flowing and palatable, being flavoured with a trace of peppermint.

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For significantly lower mortalities—

ANTIPNEUMOCOCCIC SERA

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Types 1, 2, 4, 5, 7 and 8

WHERE THESE SERA have been used to a significant extent, their value has become well established.

"In general terms Type 1 serum has reduced the mortality about 67%; Type 2 serum, about 44%; Type 4, about 60%; Type 5, about 65%; Type 6 (in children), about 69%; Type 7, about 59% and Type 8, about 33%."
—KOLMER: TEXAS STATE J. MED., NOV. 1938

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The resultant annual saving in lives, if antipneumococcic sera were applied universally to pneumococcic infections due to organisms of these types, would be about 4,000.

Potent, refined and concentrated "Antipneumococcic Sera *Lederle*" are available in the following packages:

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2-SULPHANILYL-AMINOPYRIDINE

The latest May & Baker contribution to chemotherapy

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Early clinical trials with M & B 693 convincingly demonstrated its value in **lobar pneumonia** (*The Lancet, July 2nd,* 1938). Later reports showed its activity in other pneumococcal infections including **pneumococcal meningitis** (*The Lancet, September 10th,* 1938 *and Sept. 24th,* 1938): and **pneumococcal septicæmia** (*The Lancet, September 10th,* 1938).

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Although primarily important for its anti-pneumococcal activity, M & B 693 also appears to exert a valuable therapeutic effect in **streptococcal and meningococcal infections** (*The Lancet, May 28th,* 1938), **staphylococcal infections** (*The Lancet, Sept. 17th,* 1938) and **gonococcal infections** (*The Lancet, June 4th,* 1938, *and August 13th,* 1938, *and B.M.J., September 10th,* 1938).

M & B 693

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Containers of 25 tablets - - - 7/6

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Subject to professional discount.

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The Choice of an Antacid

IN an article contributed to "The Lancet" of March 4, 1939, under the heading: "Colloidal Aluminium Hydroxide in the Treatment of Peptic Ulcer," the authors describe the tests conducted with a view to determining the effect and value of this substance.

The following paragraph, quoted therefrom, reports the results of these tests:

SUMMARY

Observations on a number of patients indicate that aluminium hydroxide gel is an effective substance for neutralising the gastric contents, that it is a valuable adjuvant in the treatment of peptic ulcer, and that it is not liable to cause alkalosis.

That 'Alocol' (Colloidal Aluminium Hydroxide) possesses intrinsic qualities which render it particularly valuable as a gastric sedative and antacid is now well established. Its freedom from the laxative action of magnesium salts, and the secondary rise of acidity which follows the administration of alkalis are outstanding advantages. It is also free from the danger of alkalosis and possesses no pleonectic tendency. 'Alocol' forms with the gastric contents a colloidal gel which has the power of adsorbing free hydrochloric acid, leaving intact the acid reaction of the stomach, and thus not interfering with pepsin digestion and the anti-fermentative action of the gastric juice.

These considerable advantages of 'Alocol' are combined with an effectiveness which makes the cessation of subjective symptoms an almost invariable rule.

"ALOCOL"

Colloidal Aluminium Hydroxide

Complete chemical history of "Alocol" with clinical reports and supply for trial sent free to physicians on request.

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(Sodium 5·5′ diphenyl-hydantoinate)

A New and Effective Anti-Convulsant for the treatment of Epilepsy

Experimental and clinical investigations have shown that sodium diphenyl-hydantoinate is effective in controlling convulsive seizures in many patients who have not previously responded to other methods of treatment.

This product is supplied under the name 'Epanutin.' It is not offered as a cure for epilepsy. It will, however, prevent or greatly decrease the incidence and severity of convulsive seizures in a substantial percentage of epileptics without the hypnotic and narcotizing effects exerted by many anti-convulsant drugs.

● *Supplied in bottles of* 100 *capsules each containing* 0·1 *gramme. Further particulars will be sent on request.*

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Pharmaceutical and Biological Products

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Liver-Stomach Concentrate with Iron and Vitamin B Complex

RAPID convalescence from many debilitating diseases can be brought about with 'Lextron' when secondary anaemia has assumed a conspicuous place in the clinical picture. On 'Lextron' the patient receives all the materials essential for blood regeneration.

'Lextron' brand liver-stomach concentrate with iron and Vitamin B complex is supplied in bottles of 42, 84, and 500 'Pulvules' brand filled capsules.

Prompt Attention Given to Professional Inquiries

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Distributing Agent in Britain for

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Wheat-starch conversion

BY BENGER'S FOOD

Benger's Food is a specially prepared wheaten powder containing adequate quantities of natural pancreatic enzymes of which the proteolytic enzyme known as trypsin and the starch converting amylases are of first importance. The wheaten powder serves two highly important functions (1) it acts as conveyor of these enzymes (2) in preparation of the Food by the admixture of hot milk it is converted into dextrins, dextri-maltoses and maltose.

When the hot milk meets the cold mixture the resulting temperature is correct for the enzyme action. Within two minutes the starch of the wheaten powder has been made soluble so that prepared Benger's Food contains only 0.5% of insoluble starch. As the digestion proceeds the trypsin modifies the milk protein so that when it comes in contact with the gastric juices, it separates into fine flocculi, as compared to the heavy tough curd formed by milk itself. Both actions take place whilst the Food is too hot to drink.

INDICATIONS.

Prepared in this quicker manner (eliminating the standing period and second boiling) Benger's Food provides a soothing and comforting light diet for all minor digestive disorders and ailments.

Prolonging the standing period allows the action of the amylase to proceed further so that dextrins, dextri-maltoses and maltose are formed, while insoluble starch remains as 0.5% of the prepared Food. Tryptic activity continues at the same time so that the milk protein is modified to the point where the curd formed upon contact with the gastric juices is similar to that of human milk.

When breast feeding fails, Benger's Food forms the ideal infant diet. Starch content is negligible. Carbohydrate is present as the ideal mixture in dextrins, dextri-maltoses and maltose. Milk protein is modified to suit the delicate digestive organs of the infant.

When digestive weakness is extreme, such as in cases of peptic or duodenal ulcer and the problem is to give the maximum of nourishment, Benger's Food provides both nourishment and digestive rest.

Sole Manufacturers: BENGER'S FOOD, LTD., HOLMES CHAPEL, CHESHIRE, ENG.

The Benger Laboratories are always at the disposal of the medical profession in any of their dietetic problems.

T.7

Filling Dissolved Vaccines at Glaxo Laboratories.

PRODUCTS OF THE GLAXO LABORATORIES

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FERSOLATE

A preparation for use in all cases indicating the need for iron (especially in iron deficiency anæmias). Each tablet (sugar coated) contains 3 grs. exsiccated ferrous sulphate, with traces of copper and manganese. Daily dose of 3 tablets equals 90 grs. Blaud's Pill B.P.
Boxes of 100, 2/6; 500, 7/6; 1,000, 12/6.

ANTIVIRIN NASAL JELLY

For rapid and prolonged relief of head colds. Antiviruses of organisms usually found in nasopharynx during common cold. Ephedrine relieves vascular congestion. Jelly permits effective penetration. Pleasant to use.
Long-nozzle tubes, 1/6.

DISSOLVED VACCINES G.L.

In the Dissolved Vaccine, the bacterial cells are in solution, and the total antigens are immediately available for antibody production. Detoxication permits painless injection, and reactions are rare. A wide range of Dissolved Vaccines is available for the treatment of whooping cough, colds, staphylococcal and streptococcal infections, etc.

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Vitamin A in high concentration for oral use in conditions where marked deficiency of the vitamin indicates intensive treatment. Each capsule contains 24,000 international units of vitamin A. Each cc. of liquid contains 72,000 international units.
Capsules—boxes of 25, 3/9; 100, 12/6; tins of 1,000, 80/–.
Liquid in 8 cc. phials, 3/6.

COLLOIDAL CALCIUM with OSTELIN

Vitamin D and calcium in colloid combination for subcutaneous or intramuscular injection. Rapid relief in chilblains and other capillary vasomotor disorders, and in allergic conditions, often after the first 1 cc. injection. Each cc. contains 5,000 international units of vitamin D.
6 x 1 cc. ampoules, 5/–, 12 x 1 cc. 8/6, 30 cc. bottles, 10/–.

OSTOCALCIUM

Tablets of highly assimilable calcium (7½ grs. calcium sodium lactate, with 2½ grs. calcium phosphate), and a measured addition of vitamin D (500 international units per tablet). For chilblains, allergic disorders, etc.
Tins of 50, 2/3; 100, 4/–; 500, 10/–; 1,000, 17/6.

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Vitalised three-cereal food, highly digestible and nutritious in health and illness. Provides vitamins A, B_1, D; calcium, iron and other tonic minerals. A balanced 'light diet'. Nutritionally safe for weaning. Ready to serve.
Cartons, 1/– and 1/9 (double size).

GLUCODIN

Medicinal glucose with vitamin D and calcium glycerophosphate. Indicated ketosis (low-fat diets), cardiac disease, etc. GlucoDin is now the proper name for the original Glucose-D (G.L.).
1 lb. tins, 1/9; 3 lb, 4/6; 7 lb., 10/6.

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NEO-FEMERGIN

A UTERINE HÆMOSTATIC WITH UNSURPASSED ADVANTAGES FOR POST-PARTUM USE

IMMEDIATE AND PERSISTENT EFFECT

Further particulars from

J. Flint,
SANDOZ PRODUCTS,
134, Wigmore Street,
London, W.1.

Each tablet, each c.c. of oral solution and each ampoule of 1 c.c. contains:

0.00025 Gm. Ergotamine tartrate	+	0.000125 Gm. Ergobasine (ergometrine) tartrate

"The action of ergot on the uterus is not to be ascribed to any one alkaloid. For obstetric and gynæcological purposes the most suitable drug is one which combines both groups of alkaloids. . . . Combined treatment with ergotamine and ergobasine is to be recommended. Thus a rapidly acting constituent is combined with one the action of which is long sustained. Side effects are reduced."

H. GUGGISBERG (1937), Helv. med. Acta, 4, 13.

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Both these books by TEN TEACHERS now in Sixth Editions.

Edited by CLIFFORD WHITE, Sir COMYNS BERKELEY and FRANK COOK. 18s. net each.

DISEASES OF WOMEN

This now almost classical reference book was drastically revised for its new 1938 edition; there are important alterations, and, though not less complete, it is a trifle shorter.

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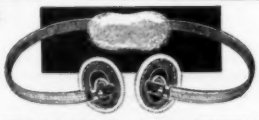

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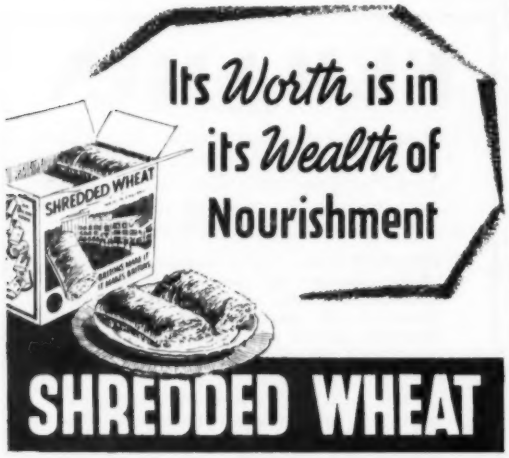

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All Nurses fully insured against Accident. Terms from £3 13 6. Apply MATRON.

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TRAINED MALE NURSES AND VALET ATTENDANTS for MENTAL, MEDICAL, TRAVELLING AND ALL CASES

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MANCHESTER—237, BRUNSWICK STREET (*Facing Owen College*)
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Terms £4 4 0 per week

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Please address all communications W. WALSHE, Secretary.

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Special Nurses for Nerve and Mental Cases.

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A very convenient form of telephone message pad sent free on application to the Secretary.

Head Office: 54, BEAUMONT ST., LONDON, W.1 (late 43, New Cavendish St., London, W.1).

Branches:—MANCHESTER: 176, *Oxford Road.* GLASGOW: 28, *Windsor Terrace.* DUBLIN: 23, *Upper Baggott Street.*

Superior trained Nurses for Medical, Surgical, Mental Dipsomania, Travelling and all cases. Nurses reside on the premises and are always ready for urgent calls Day and Night. Skilled Masseuses, Masseurs, and good Valet attendants supplied. *Terms from £3 13 6. Apply to the Secretary or Lady Supt.*

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Telephone: WELBECK 2728.
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Permanent Staff of Resident Male Nurses

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Specially trained Nurses for Mental and Nerve cases (All Nurses are insured under the Employers Liability Act, 1906.) Apply the Supt.

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A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel: Brentwood 45.

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Telephone: WATFORD 5917

A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

HURSTWOOD PARK HOSPITAL AND BEECHMONT HOUSE

HAYWARDS HEATH, SUSSEX

The Committee of the Brighton Mental Hospital have provided accommodation for private patients of both sexes where the treatment of nervous disorders from the earliest stages is undertaken, e.g., psycho-therapy, occupational methods and hydro-therapy.

In Hurstwood Park Hospital there are fully equipped surgical and dental units and bio-chemical and bacteriological laboratories.

Hurstwood Park Hospital and Beechmont House are situated in pleasant woodland entirely separated from the main institution and have some of the finest views in Sussex.

Brochure on application to the Medical Superintendent. *Telephone: Haywards Heath 897*

CRICHTON ROYAL, DUMFRIES

For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients sufiering from the effects of of alcoholism and drug addiction.

Every facility for complete investigation and individual treatment on the most modern lines. Physiotherapy Department fully equipped for X-ray work, heliotherapy, short-wave therapy, electrotherapy, and hydrotherapy.

Fully equipped gymnasium and indoor swimming pool under qualified instructors. Facilities under special recreational therapists for all indoor and outdoor games, including squash, badminton, table tennis, golf, cricket, football, hockey, lawn tennis, croquet, and bowling. The hospital has its own Church, Library, Cinema, and Café.

The hospital grounds extending to nearly 1000 acres are situated in delightful country and include an extensive farm (T.T. herd), gardens, and orchards.

Private rooms, suites, villas, and special nurses available. As the hospital is well endowed terms are exceptionally moderate, e.g., First Department 3 to 30 guineas per week, Second Department 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients.

For prospectus, necessary forms, and further information apply to :—

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* **Dumfries 1119**

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in the case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a Staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

THE ROYAL EARLSWOOD INSTITUTION

FOR MENTAL DEFECTIVES, REDHILL, SURREY.

(Formerly the EARLSWOOD ASYLUM.) PATRON: H.M. THE KING.

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations, *SCHOOLS, FARMING, and various TRADE WORKSHOPS.*

Inclusive fees from £110 p.a. *THOSE UNABLE TO PAY FULL FEES* admitted by votes of subscribers with part payment towards cost.

RECREATIONS: Outdoor games. MALE STAFF BAND for Concerts, Dancing, etc.

Apply: THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, *'Phone:* REDHILL 344; or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.4, *'Phone:* CITY 4697.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

VALE OF CLWYD SANATORIUM

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

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GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

RUTHIN CASTLE, NORTH WALES

A Private Hospital or Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases). The Clinic is provided with a staff of doctors, bacteriologists, chemists, radiologists, dietists, nurses, masseurs, and masseuses.

The surroundings are beautiful. The climate is mild. There is central heating throughout. The annual rainfall is 3·05 inches, that is, less than the average for England.

The inclusive weekly fees are from 15 guineas a week, according to the room occupied; rooms with bathroom are from 21 guineas. An examination and consultation fee of 15 guineas is charged on the first visit.

SPECIAL FEE FOR INVESTIGATION ONLY—30 GUINEAS, including stay up to 10 days and report to doctor. For particulars, apply to

THE SECRETARY, Ruthin Castle, North Wales.

Telegrams: Castle, Ruthin. *Telephone:* Ruthin 66.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

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M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY,
M.D. (Cantab.).

For all information apply:
THE SECRETARY,
THE SANATORIUM,
MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

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Nearest Station: "WICKHAM MARKET"

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has 45 Bedrooms, and about 450 acres of Gardens and Park and a nine hole Golf Course.

We have the experience of many years in the Residential Treatment of

ALCOHOLIC & DRUG ADDICTION

For Terms apply:

THE RESIDENT SUPERINTENDENT (as above)

Proprietors - NORWOOD SANATORIUM LTD.

ST. ANDREW'S HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS,

NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephones: Rodney 2641 and 2642.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

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(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

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FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES — Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

Resident Physicians—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 59 and TEIGNMOUTH 289

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—

Dr. ERNEST ROLLINS, Resident Physician.

Tel.: Amherst 1642.

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Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all other parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 300 acres. Voluntary Patients of both sexes also are received for treatment. Special accommodation is also provided at five villa residences, all of which stand in their own grounds and are entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Physician Superintendent.

Telephone: No. 6207 Gloucester.

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (average—14 gns.)
8 Operating Theatres.

160 State Registered Nurses.
2 Resident Medical Officers (for emergencies)

Patients only received under the supervision of their own Medical Practitioner. Drugs and Dressings free (other than Proprietary Articles).

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Great Britain's Greatest Hydro
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Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Studs Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O. (R.U.I.), H. RHYS DAVIES, B.A., M.B., B.Ch., B.A.O. **TERMS, 13s. to 18s. per day, include Turkish and other Baths.** *Illustrated Brochure C.J. on request.*
'Phone: Matlock 17 (3 lines). *'Grams:* Smedleys, Matlock.

THE COPPICE, NOTTINGHAM.
HOSPITAL FOR MENTAL DISEASES.
President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.
Telephone: 64117 Nottingham.

CHISWICK HOUSE,
PINNER, MIDDLESEX.
Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.
A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.
DOUGLAS MACAULAY, M.D., D.P.M.

CITY OF LONDON MENTAL HOSPITAL
Near DARTFORD, KENT.
Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS.
at a weekly fee of £2 9s., and upwards.

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ABERGELE, NORTH WALES
Modern Spa Treatments, including Continental Pistany Mud and Scotch Douche, for Rheumatic and similar disabilities
Resident Physician
Excellent amenities and Recreational facilities

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CLAPHAM PARK, LONDON
Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.
Station: Clapham Common Tube.
Phone: Tulse Hill 4913
Apply MISS THWAITES.

The Hostel of St. Luke (Clergy Nursing Home), 14, Fitzroy-square, London, W.1.

The Committee of Management invite applications for the post of RESIDENT MEDICAL OFFICER (Male) to the above Hostel.
Candidates must have had previous experience as House Surgeon at a General Hospital. The appointment is for six months, and may be renewable for a further period of six months. Salary at the rate of £200 per annum, with board, residence, and laundry. A fortnight's holiday will be allowed every six months, and the Locum will be paid by the Committee of the Hostel.
Applications, with three recent testimonials, should be addressed to the Secretary of the Hostel at 14, Fitzroy-square, London, W.1, and reach him before 25th March. The successful applicant will be required to take up his duties on 1st April.

Woolwich and District War Memorial HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL. (112 Beds.)

The Board of Management invites applications from suitably qualified Male candidates for appointment as RESIDENT MEDICAL REGISTRAR AND RESIDENT PATHOLOGIST. The appointment will be for six months in the first instance, renewable, subject to approval, for further periods of six months up to a maximum of two years. Honorarium will be at the rate of £150 per annum, plus board, residence, and laundry.
Applications (to be made on the prescribed form obtainable from the undersigned) should be submitted on or before Monday, March 27th. Short-listed candidates will be invited to meet the Appointments Committee on March 31st, 1939.
R. S. G. HUTCHINGS, Secretary.

The Royal Waterloo Hospital for
Children and Women, Waterloo-road, S.E.1.

HONORARY SURGICAL REGISTRAR.

The Board of Governors invite applications for the post of Honorary Surgical Registrar. Candidates must be Fellows of the Royal College of Surgeons, and would be expected to call upon the members of the Honorary Medical Staff, a list of whom would be furnished on request. Honorarium £50 per annum. Preference will be given to candidates having had experience of special departments.

Further particulars regarding the appointment can be obtained from the undersigned, to whom applications should be sent, not later than the 22nd March, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Royal Waterloo Hospital for
Children and Women, Waterloo-road, S.E.1.

HONORARY MEDICAL REGISTRAR.

The Board of Governors invite applications for the post of Honorary Medical Registrar. Candidates must be Graduates in Medicine of a University recognised by the General Medical Council, and/or a member of the Royal College of Physicians. Honorarium £50 per annum. Particulars regarding the appointment can be obtained on application to the undersigned, to whom applications should be sent not later than Wednesday, 22nd March, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Royal Waterloo Hospital for
Children and Women, Waterloo-road, S.E.1.

HONORARY GYNÆCOLOGICAL REGISTRAR.

The Board of Governors invite applications for the post of Honorary Gynæcological Registrar. Candidates must be Fellows of the Royal College of Surgeons. Honorarium £50 per annum. Particulars regarding the appointment can be obtained from the undersigned to whom applications should be sent not later than Wednesday, 22nd March, with not more than three recent testimonials.

J. H. TEASDALE, Secretary.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON (Resident) to be attached to the RADIUM DEPARTMENT. Candidates must be registered Medical Practitioners.

Salary £100 per annum.

Facilities afforded for Post-Graduate Study.

The appointment is for six months commencing 1st April, 1939.

Applications to be made on a form which will be supplied by the Secretary, with copies only of not more than three recent testimonials, to be sent to the Secretary not later than the first post on Friday, 24th March, 1939.

CLEMENT COBBOLD, Secretary.

The Engineering Department of the
POST OFFICE would like to hear from qualified Medical Men who would be willing to act from time to time as MEDICAL OFFICERS on board their two cable ships based respectively at Woolwich and Dover.

These ships are approximately at sea seven months in the year, the duration of each trip varying from one to eight weeks, with varying intervals between voyages during which the services of the doctors concerned would not be required.

Salary £1 1s. per day (with all found) while at sea.

The duties which are not normally arduous might suit retired or semi-retired medical men in good health, preferably not over sixty-five.

Full particulars may be obtained from—

The Submarine Superintendent, Engineer-in-Chief's Office, G.P.O., Ivy House, Newgate-street, E.C.1.

East End Maternity Hospital,
396, Commercial-road, London, E.1.

Applications are invited from qualified registered Medical Men with previous obstetrical experience for the post of RESIDENT MEDICAL OFFICER to the above Hospital. The appointment, which is for six months, will commence on April 1st, 1939.

Applications, stating qualifications and previous experience, must be received by the Secretary not later than Tuesday, 21st March. Full board residence will be provided together with an honorarium at the rate of £150 per annum.

The Willesden General Hospital,
Harlesden-road, N.W.10.

Applications are invited from fully-qualified and registered candidates (unmarried) for the appointment of a Resident Officer, to hold the appointment of CASUALTY OFFICER for a period of three months from the 1st April, 1939, followed by a six months' appointment as HOUSE PHYSICIAN (Total nine months).

Salary at the rate of £100 per annum.

Applications to be received by the Secretary not later than first post on Monday, 20th March, 1939.

March 6, 1939.

Appointments for Medical Officers in The ROYAL AIR FORCE

Medical men are invited to apply for Short Service Commissions in the Royal Air Force.

Candidates must be registered under the Medical Acts and be not more than 31 years of age on entry.

The period of service is 3 years—extendible to 5 years. A gratuity of £400 or £1,000 is payable at the termination of 3 or 5 years respectively. Permanent commissions are awarded in a number of cases. These offer a pensionable career with the opportunity of extra leave on full pay for specialised study.

Applicants who hold—or are likely to hold—post-graduate appointments in civil hospitals may, on joining the Royal Air Force, be seconded until the termination of their appointments (for a period not exceeding one year) An antedate of commission, up to twelve months, is allowed for appointments held at approved hospitals.

Fuller information can be obtained from The Director of Medical Services, Air Ministry, Kingsway, London.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

The Royal Borough of Kensington.

PUBLIC HEALTH DEPARTMENT.

APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER (MALE) FOR AIR-RAID PRECAUTIONS WORK.

Applications are invited for the post of Temporary Assistant Medical Officer (Male) in the Public Health Department for A.R.P. work. Applicants must be registered Medical Men between forty and sixty years of age and must have had experience in A.R.P work. Experience in public health work will be regarded as an additional qualification.

The salary is at the rate of £500 per annum, rising by conditional annual increments of £25 to a maximum of £700 per annum.

Applications must be in accordance with the terms and conditions which may be obtained from the undersigned.

Canvassing will disqualify.

The application list will be closed at 10 A.M. on Saturday, 25th March, 1939.

F. WEBSTER, Town Clerk.

Town Hall, Kensington, W.8, March, 1939.

St. Bartholomew's Hospital, E.C.1.

SPEECH DEFECTS AND BREATHING EXERCISES.

Applications are invited for the post of HONORARY INSTRUCTOR for Speech Defects and Breathing Exercises.

Appointment will be made for one year from the 1st January, 1940, with eligibility for annual re-election.

Candidates (Male or Female) are required to leave six copies of their applications and testimonials with the undersigned not later than Saturday, 15th April, 1939.

C. C. CARUS-WILSON, Clerk to the Governors.

7th March, 1939.

The South London Hospital for Women,

Clapham Common, S.W.4. (140 Beds.)
A General Hospital for Women and Children.

Applications are invited from Medical Women for the undermentioned appointment :—

CLINICAL ASSISTANT

for Gynæcological out-patients to attend on Monday afternoons.

Applications, with testimonials, to be sent to the Secretary at the Hospital.

National Hospital for Diseases of the HEART, Westmoreland-street, Marylebone, W.1.

OUT-PATIENT MEDICAL OFFICER.

Applications are invited for the post of Out-Patient Medical Officer (Non-Resident, Male).

The appointment is for a period of six months from 1st May, but may be renewed for a further period not exceeding six months. Salary at the rate of £125 per annum. Candidates, who must be duly registered Medical Practitioners will not be expected to call on the Honorary Medical Staff, but should send their applications with copies of three recent testimonials to me at the Hospital not later than Tuesday, 4th April.

The Out-Patient Medical Officer will be required to assist the Honorary Medical Staff on five afternoons weekly or four afternoons and one morning as may be arranged.

ROBERT G. E. WHITNEY, Secretary.

National Hospital for Diseases of the HEART, Westmoreland-street, Marylebone, W.1.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male).

The appointment is for a period of six months from 1st May, but may be renewed for a further period not exceeding six months. Salary at the rate of £150 per annum with board, residence, and washing.

Candidates who must be duly registered Medical Practitioners will not be expected to call on the Honorary Medical Staff, but should send their applications with copies of three recent testimonials to me, at the Hospital, not later than Tuesday, 4th April.

ROBERT G. E. WHITNEY, Secretary.

The Victoria Hospital for Children,

Tite-street, Chelsea, S.W.3. (138 Beds.)

Applications are invited for the following posts :—

(*a*) OPHTHALMIC SURGEON.

(*b*) SECOND ORTHOPÆDIC SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England and are expected to call on members of the Honorary Medical and Surgical Staffs.

Applications, with copies of testimonials are to be sent to the Secretary at the Hospital not later than first post Wednesday the 29th March, 1939.

D. ST. JOHN BAMFORD, Secretary.

The Victoria Hospital for Children,
Tite-street, Chelsea, S.W.3. (138 Beds.)

The Committee of Management invite applications for the post of CASUALTY OFFICER (Non-resident) for a period of three months commencing 1st May, next. Hours 9 A.M. to 1.30 P.M. daily (including Saturday). Salary at the rate of £200 per annum, with lunch.

Candidates are expected to attend a Sub-Committee for an interview and to send their applications and copies of three testimonials to the Secretary not later than first post Wednesday the 29th March.

The post gives excellent facilities for postgraduate study.

D. ST. JOHN BAMFORD, Secretary.

Royal Eye Hospital,
St. George's-circus, S.E.1.

Applications are invited for the post of REFRACTIONIST to the L.C.C. CHILDREN'S DEPARTMENT, Wednesday mornings, Salary £80 per annum, commencing 5th April, 1939.

Applicants are requested to state which afternoon they could act as Clinical Assistant (in conjunction with above post) for which an honorarium of £20 per annum will be paid.

Applications should be sent to the Secretary on or before 30th March.

F. E. D'ALTON, Secretary.

Paddington Green Children's Hospital
(Incorporated), London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1939.

Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 14th, 1939.

Salary of each at the rate of £150 per annum, with board and residence.

Candidates who have held a responsible Resident Hospital appointment are preferred.

The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

Metropolitan Hospital,
Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following :—

SENIOR HOUSE PHYSICIAN SENIOR HOUSE SURGEON JUNIOR HOUSE PHYSICIAN JUNIOR HOUSE SURGEON	Males. Salary £100 per annum.

Appointment in the first place will be for a period of six months dating from 1st May. Candidates must possess a registered medical and surgical qualification of the United Kingdom.

Form of application must be obtained from the undersigned and returned duly completed by 4th April, 1939. Two members of the Resident Staff are candidates for the two senior appointments.

FRANK JENNINGS, House Governor and Secretary.

Belgrave Hospital for Children
(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the positions of :

Two HOUSE PHYSICIANS and One HOUSE SURGEON, which will become vacant on April 30th.

Applicants must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case.

Applications, with copies of testimonials, stating age, should be forwarded on or before Friday, March 31st.

London County Council.

Applications invited for position of TEMPORARY ASSISTANT AURIST (Part-time) in connexion with school medical service. Remuneration 34s. 6d. a session (2½ hours).

Applicants must hold M.S. degree of a British University or be Fellow of Royal College of Surgeons of England, Scotland or Ireland, with experience in Ionisation.

Application forms (stamped, addressed foolscap envelope necessary) from Medical Officer of Health (S.D.5), County Hall, S.E.1, returnable by 1st April.

Canvassing disqualifies.

London County Council.

PART-TIME MEDICAL OFFICER (Man or Woman) required for Psychotherapy at ST. BERNARD'S HOSPITAL (for nervous and mental disorders) Southall, Middlesex. Candidates must be under forty years of age and be registered to practise both in Medicine and Surgery in England. Salary £300 a year for 48 weeks, for five sessions of three hours each week. No emoluments.

For application form, returnable by 29th March, send stamped, addressed foolscap envelope to Chief Officer (B/A), Mental Hospitals Department, Shell Mex House, Strand, W.C.2.

Canvassing disqualifies. Married women ineligible.

London County Council.

Applications invited for appointment as PART-TIME RADIOLOGIST for four sessions a week, for duty at HACKNEY HOSPITAL, Homerton High-street, E.9. Salary £350 (£300 if already employed as part-time consultant or specialist in hospitals service) and additional remuneration of £2 12s. 6d. a visit for emergency visits made in excess of number of routine sessions.

Application forms containing full particulars (stamped addressed foolscap envelope necessary) from Medical Officer of Health (S.6), County Hall, Westminster Bridge, S.E.1, returnable by 24th March. Women eligible. Canvassing disqualifies.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of ASSISTANT PHYSICIAN.

Candidates must have a University degree recognised by the General Medical Council and must be Fellows or Members of the Royal College of Physicians London. The successful candidate will be required, in addition to other duties, periodically to deliver Medical Courses of Lectures to the Nurses and to undertake such teaching for the Medical School as the Board may approve.

Applications, with copies only of testimonials, should reach me by Thursday, 6th April. Candidates must attend the Medical Council on Friday, 21st April, at 4.30 P.M., and prior to that date call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board of Management, but nevertheless, must send copies of application and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board who will elect on Tuesday, 25th April, at 5 P.M.

H. A. MADGE, Secretary.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Required as soon as possible a RESIDENT CASUALTY OFFICER (Male). The appointment is tenable for six months, subject to one month's notice on either side. A considerable portion of the duties will be in connexion with the Special Injuries Clinic. Salary at the rate of £100 a year with board and lodging. Candidates must be duly qualified registered Medical Practitioners and preference will be given to those who have held a resident appointment at a General Hospital.

Applications (which must be on printed forms obtained from me) must reach me not later than first post on Thursday, 6th April. Selected candidates will be required to call upon such members of the Medical Staff as directed ; to be in attendance at a Special Meeting of the Medical Council at 4.30 P.M. on Friday, 21st April, and the House Committee Meeting the same day, when the appointment will be made.

H. A. MADGE, Secretary.

The Hospital for Sick Children,
Great Ormond-street, London, W.C.1.

Two HOUSE PHYSICIANS and Two HOUSE SURGEONS are required. Duties to commence on the 18th April, 1939.

The appointments are tenable for six months. Salaries at the rate of £50 per annum.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by NOON on Monday, the 27th March, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 5th April, 1939.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

March, 1939.

St. John's Hospital for Diseases of the
SKIN, 5, Lisle-street, Leicester-square, W.C.2.

Applications are invited for the post of HONORARY PHYSICIAN to the Hospital. Candidates must be Fellows or Members of the Royal College of Physicians of London, Edinburgh, or Dublin, or Fellows of the Royal College of Surgeons of England, Edinburgh, or Dublin.

Applications to be sent to the Secretary, from whom particulars can be obtained, on or before Saturday, April 1st, 1939.

LEONARD G. R. TURPIN, Secretary.

3rd March, 1939.

The London Chest Hospital,
Victoria Park, E.2.
('Bus, Tram, and Rail, Cambridge Heath, L. & N.E. Railway.)

A vacancy for a HOUSE PHYSICIAN (Male) will occur on May 1st. Six months' appointment. Salary at the rate of £100 per annum. Board, residence, and laundry provided.

Applications, with copies of three testimonials, should be sent to the undersigned on or before Saturday, April 1st, 1939.

THOMAS BROWN, Secretary.

Evelina Hospital for Sick Children,
Southwark, S.E.1.

Applications are invited for the post of HOUSE SURGEON (Male) for six months from the 12th April (first two months in the Casualty and Out-patient Department). Salary at the rate of £120 per annum, with board and residence.

Applications, with copies of three recent testimonials, should be sent to the undersigned from whom particulars can be obtained, not later than first post on Tuesday, 21st March.

W. H. SIDNELL, House Governor.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st May, 1939. Salary at the rate of £75 per annum with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before 28th March.

F. DUDLEY HOBBS, B.A., Secretary.

Poplar Hospital, East India Dock-road,
Poplar, E.14.

The Committee invites applications for the appointment of SECOND RESIDENT OFFICER. (Male.)

At a salary at the rate of £175 per annum, all found. Candidates must have held appointments as House Surgeon at a Hospital.

Applications must be accompanied by a statement of the candidates' qualifications and forwarded to the Secretary, with three recent testimonials, not later than Monday, March 27th, 1939. The appointment is for a period of six months.

St. John's Hospital,
Lewisham, S.E.13.

Applications are invited for the appointment of RESIDENT SURGICAL OFFICER (Male, unmarried) which becomes vacant on 1st April next. Candidates should have been qualified not less than two years and should have had one year's experience of hospital appointments. Preference will be given to those holding a Senior Surgical qualification.

The appointment is for twelve months, at a remuneration of £200 per annum, with the addition of Resident Staff Panel fees. Applications, with copies of testimonials, should reach the undersigned as soon as possible.

J. C. GILBERT, Secretary-Superintendent.

London Chest Hospital,
Victoria Park, E.2.

The Committee of Management invite applications for the post of PHYSICIAN to In-Patients. One of the Out-Patient Physicians is an applicant for the post and in the event of his being appointed a vacancy will occur for an Out-Patient Physician.

Applications are therefore provisionally invited for this post. Candidates must be Fellows or Members of the Royal College of Physicians, London.

Applications should reach the Secretary at the Hospital not later than April 22nd.

THOMAS BROWN, Secretary.

Barley Mow Welfare Centre,
Frazier-street, S.E.1.

Applications are invited from registered MEDICAL PRACTITIONERS to take charge of the INFANT WELFARE CLINIC on Wednesdays from 2–4 P.M., and the TODDLERS' CLINIC on 1st Thursdays from 2–4.30 P.M. Salary 1½ guineas per session. Applicants must have had not less than two years' experience in similar work.

Applications, with copies of three recent testimonials, must reach the undersigned not later than March 31st.

Miss TURNER, Honorary Secretary.

Bedford County Hospital.

Wanted One SENIOR HOUSE SURGEON and One CASUALTY OFFICER to take over their duties on April 1st for a term of not less than six months. They must be Male, unmarried, and fully qualified. Salary £150 per annum, with board, lodging, and laundry.

Applications, stating age, nationality, and qualifications, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Coventry and Warwickshire Hospital.
(347 Beds.)

Applications are invited for the post of HOUSE SURGEON which becomes vacant on March 31st next. The appointment will be for a period of seven months terminating on October 31st, 1939. Salary at the rate of £150 per annum together with full board, quarters, and laundry.

Applications, stating full particulars as to experience and qualifications should be addressed to the undersigned.

(Sgd.) S. CECIL HILL.

South Middlesex and Richmond Joint
HOSPITAL BOARD.

SOUTH MIDDLESEX FEVER HOSPITAL.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from fully qualified Medical Practitioners for the above appointment. Duties to commence as soon as possible.

The appointment is for a period of one year at a salary of £250 per annum, with board, residence, and laundry. Preference will be given to candidates who have held a resident appointment in a General Hospital. Experience in anæsthetics desirable.

Forms of application may be obtained from the Medical Superintendent, South Middlesex Fever Hospital, Mogden-lane, Isleworth, Middlesex. Applications, on the prescribed forms, should be returned to him on or before Tuesday, the 28th March, 1939.

S. C. T. LITTLEWOOD, Clerk to the Board.

14, Church-street, Kingston-on-Thames, 15th March, 1939.

Hospital Convalescent Home,
PARKWOOD, SWANLEY, KENT. (For the reception of patients (women and children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The trustees of the Home invite applications for the post of Lady RESIDENT MEDICAL OFFICER which will become vacant on 6th May, 1939. The appointment is for a period of six months. Salary £200 per annum, with quarters, and full board. Candidates should have had recent hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Saturday, April 1st, 1939.

Royal Manchester Children's Hospital,
PENDLEBURY.

Applications are invited for the post of NON-RESIDENT ASSISTANT MEDICAL OFFICER at the OUT-PATIENTS' DEPARTMENT, Gartside-street, Manchester. Salary is at the rate of £150 per annum, and the appointment is for a period of six months as from 1st May, 1939. Candidates must be on the Medical Register.

Particulars of duties can be obtained from the Secretary. The hours of duty are from 9 A.M. till 1 P.M. or until the work of the Dispensary is finished. Patients' attendances number about 100,000 per annum.

Applications, stating age, and accompanied by copies of not more than three testimonials, to be sent to the undersigned not later than Saturday, 1st April.

Canvassing, directly or indirectly, may disqualify.

By order,

H. HEARDMAN, Secretary.

Devon Mental Hospital.

Required, JUNIOR ASSISTANT MEDICAL OFFICER (Male), unmarried, who must be legally qualified and registered. Preference will be given to candidates who either have or are anxious to obtain a Diploma in Psychological Medicine and who have held resident hospital appointments. The Hospital is fully equipped with Operating Theatre, Bacteriological Laboratory, &c.

Salary £350 per annum, rising by £25 per annum to £450, with £50 in addition to those who possess the D.P.M., and board, apartments, laundry, and attendance, valued at £100 per annum.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Form of application to be obtained from the Clerk of the Devon Mental Hospital, Exminster, which must be completed and returned on or before March 24th, 1939.

Salford Royal Hospital.
(256 Beds.)

A vacancy exists for an HONORARY ASSISTANT NEUROLOGICAL SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England.

Applications accompanied by certificates of age and of registration and by not more than three testimonials must be delivered to the undersigned on or before 31st instant.

Particulars of duties of the post are available on application.

By order of the Board of Management.

H. B. SHELSWELL, General Superintendent and Secretary.

17th March, 1939.

Swansea General and Eye Hospital.
(336 Beds.)

CASUALTY OFFICER required. Gentleman. Single. Salary £150 to £175 per annum, according to experience, together with board, residence, and laundry. Appointment for six months to commence on or about 17th April.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

Clayton Hospital, Wakefield.

Applications are invited for the post of HOUSE SURGEON with medical beds for six months (renewable) commencing May 1st, 1939. Candidates should be of British nationality, male and single. Salary at the rate of £175 per annum, together with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned by March 27th, 1939.

T. F. W. MACKEOWN, Superintendent and Secretary.

Liverpool Heart Hospital,

34, Oxford-street, Liverpool, 7.

HOUSE PHYSICIAN required (Male or Female) immediately for six months. Facilities for Research and for M.D. thesis. Salary at rate of £100 per annum, with board, residence, and laundry. Applications to Secretary.

St. Albans and Mid Herts Hospital,

Church-crescent, St. Albans.
(50 Beds.) One Resident Medical Officer.

Applications are invited for the post of RESIDENT MEDICAL OFFICER. Salary £150 per annum, with board, residence, and laundry.

The post will become vacant on the 17th April next.

Applications to be sent to the Secretary, St. Albans and Mid Herts Hospital, Church-crescent, St. Albans. Telephone No. 4516.

City of Bradford.

Applications are invited for the post of ASSISTANT SCHOOL MEDICAL OFFICER.

Salary £500 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700 per annum.

The salary is subject to a deduction under the Local Government Superannuation Act, 1937, and the person appointed will be required to pass a medical examination.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 1st April, 1939, endorsed "Assistant School Medical Officer."

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 11th March, 1939.

City of Bradford.

MUNICIPAL GENERAL HOSPITAL, ST. LUKE'S.

Applications are invited for the post of MEDICAL SUPERINTENDENT. Salary £1100 per annum, including emoluments valued at £130 per annum.

The salary is subject to a deduction under the Local Government and Other Officers' Superannuation Act, and the person appointed will be required to pass a medical examination.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 1st April, 1939.

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 11th March, 1939.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of SECOND HOUSE SURGEON (Male) vacant April 24th. Salary at the rate of £150 per annum, plus residence, board, and laundry.

The Hospital is recognised for the F.R.C.S. examinations and the post now advertised is also approved by the University of London for the M.S. Branch 1 (Surgery) Examination.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, stating age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

13th March, 1939.

Exeter City Mental Hospital.

The Visiting Committee invite applications for the appointment of ASSISTANT MEDICAL OFFICER (Male) at a salary of £400 per annum, rising by annual increments of £25 to £500 per annum, with furnished apartments, board, attendance, and laundry, valued at £150 per annum; £50 per annum will be paid in addition if the successful candidate has a Diploma in Psychological Medicine, or when he obtains the same. The appointment is subject to deductions under the Asylum Officers' Superannuation Act. Post-graduate experience in a General Hospital desirable. Opportunity for research and study.

Forms of application and further particulars may be obtained from my office, 10, Southernhay West, Exeter.

Application, endorsed "Assistant Medical Officer," together with copies of not more than three recent testimonials, must reach me not later than the first post on Friday, March 31st, 1939.

C. J. NEWMAN,
Town Clerk and Clerk to the Visiting Committee.

The Royal Infirmary, Bradford.

Two HOUSE PHYSICIANS (Male) and five HOUSE SURGEONS (Male) wanted for 1st May. Six months' appointments. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and washing.

There are 345 beds and 10 Resident Officers.

Applications, stating age, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned by 31st March.

H. TRUSSON, House Governor and Secretary.

9th March, 1939.

Surrey County Council.

PUBLIC HEALTH DEPARTMENT.

EPSOM COUNTY HOSPITAL. (330 Beds.)

RESIDENT ASSISTANT MEDICAL OFFICER. (Male.)

Applications are invited for the appointment of Resident Assistant Medical Officer at the Epsom County Hospital.

Applicants must have held a previous resident hospital appointment and should preferably have had experience in maternity work and minor surgery.

The appointment is for a period of six months, renewable for a further period of six months, and the salary is at the rate of £250 per annum, together with full residential emoluments valued at £125 per annum.

Applications, stating age, qualifications, and experience and enclosing copies of not more than three recent testimonials, should be addressed to the Medical Superintendent, Epsom County Hospital, Dorking-road, Epsom, so as to be received not later than 25th March, 1939.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 18th March, 1939.

City of Liverpool.

RESIDENT ASSISTANT MEDICAL OFFICER,
BROADGREEN SANATORIUM.
(353 Beds.)

Applications are invited for the above appointment for a period of one year at a salary of £250 per annum, together with the usual residential allowances.

Candidates must possess a registered Medical and Surgical qualification and preference will be given to candidates with previous hospital experience.

The post is suitable for a candidate working for the M.D.

The Sanatorium is within easy reach of the centre of the City and the University.

Canvassing, either directly or indirectly will be considered a disqualification.

Applications to be made on forms obtainable from the Medical Officer of Health, Hospitals Department, Municipal Annexe, Dale-street, Liverpool, 2, to be endorsed "Resident Assistant Medical Officer" and returned to the undersigned so as to be received not later than Wednesday, 29th March, 1939.

W. H. BAINES, Town Clerk.

Municipal Buildings, Liverpool, 2, March, 1939.

Southend-on-Sea General Hospital.

Applications are invited for the post of

RESIDENT OBSTETRIC OFFICER. (Male.)

The appointment is for six months from about 15th April next. Salary £100 per annum, with board, &c.

Candidates must be duly qualified and registered, and preference will be given to those who have held a resident obstetric appointment.

This Hospital is recognised by the Royal College of Obstetrics and Gynæcology for its Examinations.

Applications, with copies of two recent testimonials, should be sent to the undersigned by 31st March, 1939.

P. H. CONSTABLE, Secretary.

Middlesex County Council.

REDHILL COUNTY HOSPITAL, EDGWARE,
MIDDLESEX.

Resident CASUALTY MEDICAL OFFICER, registered Medical Practitioner, with considerable all-round experience and as House Physician and House Surgeon in general hospital. Whole-time duties under supervision of Medical Superintendent include dealing with casualties and admissions to hospital. Salary £350 per annum, with board, lodging, and laundry.*

Resident JUNIOR ASSISTANT MEDICAL OFFICERS (two), registered Medical Practitioners having held resident appointments in general hospital. Whole-time duties under supervision of Medical Superintendent. Salary £250 per annum, with board, lodging, and laundry.*

*Appointment, subject to medical examination and one month's notice, is primarily for six months, but may be extended for a further six months. Preservation of pension rights under certain Acts.

Written applications, stating age, qualifications, and experience with copies of not more than three recent testimonials, to the undersigned by 1st April, 1939.

Canvassing, direct or indirect, disqualifies.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

INDIAN MEDICAL SERVICE

RECRUITMENT OF EUROPEAN OFFICERS

Applications are invited from Medical Men for Permanent Commissions in His Majesty's Indian Medical Service. The terms offered include a gratuity of £1,000 on retirement after six years' service, or of £2,500 after 12 years' service, together with free return passages, for those who no longer desire to remain in the Service. In other respects the terms will be as detailed below.

British subjects of pure European descent who are under 32 years of age and who are registered under the Medical Acts in force in Great Britain and Northern Ireland are eligible to apply.

CAREERS.

The Indian Medical Service offers a permanent career with wide opportunities of medical experience, including clinical, preventive, specialist, and research work. At the beginning of his career an officer is employed on the military side, which has medical charge of the Indian Army. Promotion is on a time scale up to the rank of Lieutenant-Colonel, and by selection to the ranks of Colonel and Major-General. An officer may apply after one year's Indian Service to have his name registered for transfer to the civil side, from which appointments are made to Civil Surgeoncies, which are established at the principal civil centres to provide for the medical needs of Civil Officials and for general medical administrative purposes; to specialist (for example, public health and bacteriological) services; to research posts; and to professorships at the Medical Schools.

RATES OF PAY.

Years of Service.	Rank.	Basic Pay. Rs. per mensem.	Overseas Pay. £ per month.	Total. £ per annum.
1	Lieutenant.	450	15	585
2	Captain.	500	25	750
3	"	550	25	795
4	"	550	25	795
5	"	600	25	840
6	"	600	30	900
7	"	700	30	990
8	"	700	30	990
9	"	700	35	1050
10	"	700	35	1050
11	Major.	800	35	1140
12	"	800	40	1200
13	"	800	40	1200
14	"	800	40	1200
15	"	800	40	1200
16	"	950	40	1335
17	"	950	40	1335
18	"	950	40	1335
19	"	1100	40	1470
20	"	1100	40	1470
21	Lieut.-Col.	1350	40	1695
22	"	1350	40	1695
23	"	1350	40	1695
24	"	1500	40	1830
25	"	1500	40	1830

Note.—(1) The rupee is at present stabilized at a rate equivalent to 1*s.* 6*d.*

(2) An officer promoted to the rank of Lieut.-Colonel before completion of 20 years' service will receive pay at the rate of Rs. 1200 per mensem (basic) plus £40 per month overseas pay.

Extras.—In addition to the above rates various allowances are admissible for a large number of special appointments on both the military and the civil side which may be held by members of the Indian Medical Service. Special high rates of pay are also attached to the numerous administrative appointments open to officers in both branches of the Service.

ANTEDATES IN COMMISSION.

Candidates possessing certain higher medical qualifications or holding the Diploma in Public Health may be granted an antedate in their commissions. Past service in certain hospital appointments may also render candidates eligible for an antedate. Persons holding or about to hold resident posts at recognized hospitals may be seconded in those posts for a period. The maximum period of antedate, secondment, or antedate and secondment combined, admissible under this paragraph, is limited to 18 months.

OUTFIT ALLOWANCE.

Officers on appointment will receive an allowance of £75 towards the cost of outfit.

PRIVATE PRACTICE.

With the exception of Administrative Officers, military or civil, and officers holding certain special appointments, officers are not debarred from taking private practice, under prescribed conditions, so long as it does not interfere with their proper duties.

LEAVE.

Leave can be taken at reasonable intervals, and adequate rates of leave pay are provided. Extra leave (known as study leave), which may not exceed twelve months in all during an officer's service, may be granted to officers desirous of pursuing special courses of study of a post-graduate nature. During such leave, study allowance, at present fixed at the rate of 12*s.* a day in the United Kingdom, £1 a day on the Continent of Europe, and £1 10*s.* a day in the United States of America and Canada, is granted to an officer in addition to ordinary rates of leave pay.

PENSIONS.

The rates of pensions are as follows :—

	Per annum. £	s.
After 17 years' service for pension	372	0
" 18 " " "	400	0
" 19 " " "	428	0
" 20 " " "	465	0
" 21 " " "	502	0
" 22 " " "	539	10
" 23 " " "	576	10
" 24 " " "	614	0
" 25 " " "	651	0
" 26 " " "	697	10
" 27 " " "	744	0

There are additional pensions ranging from £65 to £350 per annum for officers who have held administrative appointments.

PASSAGES.

An officer on appointment is provided with free passage to India. The families of officers who are married prior to the date of the officers' embarkation on first appointment will also be provided with free passage to India, subject to the payment of messing charges. Officers and their families are also eligible for passage concessions under which they are granted a certain number of return passages home at Government expense during their service.

INSTRUCTION PRIOR TO EMBARKATION.

Officers are required to undergo courses of instruction at the Royal Army Medical College and at Aldershot, lasting approximately three months, prior to their embarkation for India on first appointment. Information as to the rates of pay admissible during this period and subsequently up to arrival in India is contained in the memorandum referred to below.

A memorandum giving full details regarding these appointments and forms of application may be obtained from the UNDER-SECRETARY OF STATE FOR INDIA, MILITARY DEPARTMENT, INDIA OFFICE, LONDON, S.W.1. The Selection Committee will meet at the India Office on the 4th April, 1939, and the selected candidates, unless seconded for hospital appointments, will be required to join a course of instruction commencing on 1st May, 1939, prior to sailing for India in September, 1939. Applications should reach the India Office as soon as possible.

INDIA OFFICE, March, 1939.

North Riding of Yorkshire County

COUNCIL, COUNCIL OF THE BOROUGH OF THORNABY-ON-TEES AND COUNCIL OF THE RURAL DISTRICT OF STOKESLEY.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND ASSISTANT TO THE COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners holding the Diploma in Public Health, or its equivalent, for the above-named whole-time joint appointment.

Candidates must not be over the age of forty-five. Salary, £800 per annum, with travelling expenses when engaged on work outside the Borough. Office and clerical assistance for the duties of Medical Officer of Health will be provided by the Borough Council for the Borough and by the Rural District Council for the Rural District. The officer will be required to reside within the borough or at an approved place within easy reach thereof.

The appointment will be made in accordance with the Local Government Act, 1933, the Sanitary Officers (Outside London) Regulations, 1935, and the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930. The Local Government Superannuation Act, 1937, will apply to the appointment.

In addition to the duties of Medical Officer of Health for the Borough of Thornaby-on-Tees (which is a Maternity and Child Welfare Authority) and the Rural District of Stokesley, the Officer will be required to carry out such duties as may from time to time be required of him by the County Council; such duties will be discharged under the direction of the County Medical Officer of Health, and will include School Medical inspection.

Applications, on forms obtainable from the undersigned, must be received by him, with copies of not more than three recent testimonials, not later than NOON on Monday, 3rd April, 1939.

Canvassing in any form will be a disqualification.

J. R. CARR, Town Clerk.

Town Hall, Thornaby-on-Tees, 16th March, 1939.

County Council of the West Riding of

YORKSHIRE.

DONCASTER COUNTY BOROUGH COUNCIL.

CONSULTANT OBSTETRICIAN AND GYNÆCOLOGIST.

Applications are invited from duly qualified Medical Men with special experience in Obstetrics and Gynæcology for the appointment of Consultant Obstetrician and Gynæcologist under the above-named Councils.

The officer appointed will be required to undertake all consulting work when called in by general Medical Practitioners, work at ante-natal clinics, and at certain hospitals. He will be permitted to engage in private consulting practice.

The inclusive honorarium will be £775 per annum.

Particulars of the duties and conditions of the appointment and forms of application may be obtained from Sir Charles McGrath, Clerk of the County Council, County Hall, Wakefield, to whom applications, on the prescribed form, together with copies of not more than three recent testimonials, should be delivered not later than the 3rd April, 1939.

J. CHARLES MCGRATH,
Clerk of the West Riding County Council.
H. S. ESSENHIGH, Town Clerk, Doncaster.

7th March, 1939.

West Riding of Yorkshire Mental

HOSPITALS BOARD.

WAKEFIELD MENTAL HOSPITAL.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer in the Board's service at the above Mental Hospital, at a commencing salary of £350 per annum, rising by annual increments of £25 to a maximum of £450, together with emoluments (board, apartments, and laundry) valued at £120 per annum. The Board will allow an extra £50 per annum to the successful candidate who (whilst on this scale) holds or obtains the Diploma in Psychological Medicine, for which this Hospital affords special study facilities.

It will be an advantage if candidates have had at least one year's experience in general medicine after qualification.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, Class 1.

Applications, with copies of not more than two recent testimonials, stating age and full particulars, to reach the Medical Superintendent, West Riding Mental Hospital, Wakefield, not later than 30th March, 1939.

There is no printed form of application.

G. L. BANNER, Clerk of the Board.

Board Offices, Wakefield, March, 1939.

University of Hong Kong.

Applications are invited by 15th May, 1939, for the CHAIR OF PATHOLOGY. Salary £1000–£25–£1250. Duties commence not later than August, 1939.

Further particulars from the Secretary, Universities Bureau of the British Empire, 88A Gower-street, London, W.C.1.

Argyll and Bute District Mental

HOSPITAL, LOCHGILPHEAD, ARGYLL.

ASSISTANT MEDICAL OFFICER (MALE).

Applications are invited for the post of Resident Assistant Medical Officer at the above Institution.

Salary £400 per annum, with board, lodging, and laundry, rising to £450, and an additional £50 per annum will be paid if holding, or obtaining, a recognised Diploma in Psychological Medicine.

The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age, qualifications and previous experience, and accompanied by copies of testimonials, should be sent immediately to the Medical Superintendent.

County Council of Durham.

APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited for the post of Temporary Assistant Medical Officer of Health (Male) at a commencing salary of £600 per annum. The appointment is subject to one calendar month's notice on either side, and it is expected that it will be for a duration of two years' at least. Travelling and subsistence allowances will be paid in accordance with the Council's scale.

Applicants must be registered Medical Practitioners under the age of fifty-five years, and should if possible, possess a qualification in Public Health and have held a post in an Infectious Diseases Hospital. Experience in the examination and certification of mentally defective children and adults will be an additional recommendation.

The officer appointed will be required to devote the whole of his time to the duties of the office, which includes medical work associated with the County Council's Air Raid Precautions Scheme, and will not be allowed to engage in private practice. He will also be required to undertake such other Public Health duties as may be allotted to him by the County Medical Officer of Health under whose direction he will work. He will be required to pass a medical examination.

Applications, stating age, qualifications, and experience, and accompanied by copies of not more than three recent testimonials, should be forwarded to the County Medical Officer of Health, Shire Hall, Durham, not later than first post on Monday, 27th March, 1939.

J. K. HOPE, Clerk of the County Council.

Shire Hall, Durham, 7th March, 1939.

Exeter City Mental Hospital.

MEDICAL SUPERINTENDENT.

The Visiting Committee of the Exeter City Mental Hospital invite applications for the appointment of a Medical Superintendent at a salary of £750, rising to £900 per annum by three annual increments of £50, subject to deductions under the Asylum Officers' Superannuation Act, 1909. The emoluments will include unfurnished house, coal, lighting, laundry, and garden produce.

Age of applicants must not exceed forty-five years.

Experience of at least six years in a Mental Hospital is essential and it is desirable that candidates should have acted as House Physician and/or House Surgeon in a General Hospital.

Forms of application and further particulars may be obtained at my office, 10, Southernhay West, Exeter.

Applications, endorsed "Medical Superintendent," together with copies of not more than three recent testimonials, must reach me not later than Monday, 27th day of March, 1939.

Canvassing will disqualify.

C. J. NEWMAN,
Town Clerk and Clerk to the Visiting Committee.

Exeter, 7th March, 1939.

Addenbrooke's Hospital, Cambridge.

(316 Beds.)

The General Committee invite applications for the appointment of an HONORARY SURGEON to fill a vacancy occurring on 31st December, 1939.

Applications, accompanied by copies of three recent testimonials, should be sent to the undersigned on or before Thursday, 6th April, 1939.

Sixteen copies of the application and testimonials should be sent for the use of the Selection Committee.

Personal canvass of the Committee is expressly forbidden.

J. A. BEARDSALL, Secretary-Superintendent.

March 3rd, 1939.

County Borough of Preston.

SHAROE GREEN HOSPITAL
(250 Beds.)

JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Female).

Applications are invited from fully qualified and registered Practitioners for the above appointment. Salary at the rate of £100 per annum, with full board, and residence. The appointment will be for a period of six months and can be renewed for a period not exceeding six months.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should reach the Medical Superintendent not later than first post on the 24th March, 1939.

County Borough of Brighton.

SENIOR RESIDENT MEDICAL OFFICER AT THE BOROUGH INFECTIOUS DISEASE HOSPITAL AND SANATORIUM.

The Council invite applications for the above appointment from duly qualified unmarried Male Medical Practitioners under forty years of age.

The salary will be at the rate of £450 per annum, rising by annual increments of £25 to £500, together with board and lodgings at the Borough Sanatorium. Preference will be given to candidates possessing a Diploma in Public Health. The post affords good opportunities of obtaining an insight into all branches of work of the Health Department.

Forms of application and particulars of the duties to be performed, and of the conditions upon which the appointment will be made, may be obtained from the undersigned.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the successful candidate will be required to pass a medical examination before being appointed to the position.

Applications (with copies of three recent testimonials enclosed), endorsed "Appointment of Senior Resident Medical Officer," must be delivered at my office before 10 A.M. on Monday, 27th March, 1939.

Canvassing members of the Council, either directly or indirectly, will disqualify any applicant for the position.

DUNCAN FORBES, Medical Officer of Health.

Royal York Buildings, Brighton, 1, 3rd March, 1939.

Leicester Royal Infirmary.

HONORARY ASSISTANT SURGEON.

The Board invite applications for the post of an Honorary Assistant Surgeon. Candidates must be Fellows or Members by examination of the Royal College of Surgeons of England or Graduates in Surgery of one of the Universities of the United Kingdom or Ireland.

One Hundred Guineas annually is granted by the Board for out-of-pocket expenses.

Applications, accompanied by 100 copies of recent testimonials, to reach the undersigned by first post on Friday, April 14th. Candidates will be asked to interview the Board on Wednesday, April 19th, when the election will take place.

Canvassing is not allowed.

H. T. PLOWMAN, House Governor and Secretary.

March 6th, 1939.

Leicester Royal Infirmary.

RADIO THERAPEUTIST.

The post of Radio Therapeutist has been created, and the Board of Governors invite applications.

The Hospital is recognised by the Radium Committee as a Regional Centre and possesses 622 mgms. of Radium.

Treatment plant includes 3/200 K.V. Deep Therapy tubes and 1 contact therapy apparatus.

The position is a whole-time one (non-resident), with a salary of £500 per annum, and in addition a percentage of fees received from private cases treated at the Infirmary.

Applications should be addressed to the House Governor and Secretary on or before 29th March.

6th March, 1939.

Borough of Oldbury.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Council invite applications for the above appointment from registered Medical Practitioners holding the Diploma of Public Health and with experience in Antenatal work. Preference will be given to those who have held a resident appointment at a maternity hospital with an antenatal clinic.

The person appointed will be required to devote the whole of his or her time to the duties which will be performed under the direction of the Medical Officer of Health, and will consist chiefly of School Medical and Maternity and Child Welfare work, together with such other duties relating to Public Health and Air Raid Precautions as may be required.

Salary will commence at £600 per annum, rising by annual increments of £50 to £700 per annum, with £30 per annum travelling allowance.

Application forms, with further particulars of the appointment may be obtained from the undersigned, and should be returned, together with copies of three recent testimonials, not later than the first post on the 23rd March, 1939, endorsed "Assistant Medical Officer."

ARTHUR CULWICK, Town Clerk.

Municipal Buildings, Oldbury, 1st March, 1930.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of CASUALTY HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

Manchester Northern Hospital

(General Hospital. 113 Beds.),
Cheetham Hill-road, MANCHESTER, 8.

Applications are invited for the post of RESIDENT SURGICAL OFFICER. Salary £200 per annum, with board and residence. The appointment is for six months, to commence duty on 1st April next.

Applications, stating age, qualifications, and nationality, with copies of not less than three recent testimonials, to be sent to the Secretary, Mr. JAMES C. DANIELS, 38, Barton-arcade, Manchester, 3, as soon as possible.

City of Norwich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER, &c.

Applications are invited for the post of Assistant Medical Officer of Health and Assistant School Medical Officer to include the duties of Medical Officer with residence at the Isolation Hospital. Salary £600 per annum (including emoluments valued at £150 per annum), rising by annual increments of £25 to £700 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave. The salary and the value of the emoluments will be subject to a deduction in accordance with the provisions of the Local Government Superannuation Act, 1937.

For particulars apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than 3rd April, 1939.

County Borough of West Bromwich.

HALLAM HOSPITAL. (472 Beds.)

ASSISTANT MEDICAL OFFICERS (TWO).

Applications are invited from duly qualified (unmarried Male registered Practitioners for the above appointments.

Salary £200, together with usual resident emoluments. The appointments are for six months and renewable for a further six months but can be terminated by either party giving six weeks' notice.

All fees received by the persons appointed will be payable into the funds of the Council.

Applications, stating age, experience and qualifications, together with copies of three recent testimonials, must be forwarded to the Medical Officer of Health, 2, Lodge-road, West Bromwich, so as to arrive not later than by first post on Wednesday, March 29th, 1939.

G. F. DARLOW, Town Clerk.

Town Hall, West Bromwich, 9th March, 1939.

Royal United Hospital, Bath.

HOUSE SURGEON required at once (Obstetrics and Gynæcology and Anæsthetics).

Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months, and candidates must be Male, unmarried, and of British nationality.

Applications, stating age, qualifications, and experience, together with a copy of three testimonials, to be addressed to the undersigned immediately.

J. LAWRENCE MEARS, Secretary-Superintendent.

10th March, 1939.

Kent County Mental Hospital,

MAIDSTONE.

SECOND ASSISTANT MEDICAL OFFICER (Male) required. Commencing salary £350 per annum, rising by annual increments of £25 to £450 per annum, with residential emoluments valued for superannuation purposes at £209 per annum An additional £50 per annum is paid to the Medical Officer when in possession of a diploma in psychological medicine granted or recognised by any University or College of Physicians and Surgeons in the United Kingdom. Facilities given to take Diploma or other high examinations.

Previous experience not essential.

The appointment is pensionable under the Asylums Officers' Superannuation Act, 1909.

Candidates must be fully qualified, registered, single, and not more than thirty-five years of age.

Applications, giving full particulars, with copies of three recent testimonials, and endorsed "A.M.O." on envelope, should be sent to the Medical Superintendent of the Hospital at an early date.

Applications for locum tenens would also be considered at the same time.

Princess Elizabeth Orthopædic

HOSPITAL, EXETER.

(70 Beds, shortly expanding to 100.)

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months commencing May, with the option of extension for a period not exceeding a further six months.

Applications, stating age and experience with copies of three recent testimonials, to be sent to :—

P. MELHUISH, Secretary.

City of Birmingham.

MENTAL DEFICIENCY ACT COMMITTEE.
MONYHULL COLONY.

RESIDENT LADY ASSISTANT MEDICAL OFFICER.

Applications are invited from single or widowed ladies who are duly qualified and registered Medical Practitioners for the position of Resident Assistant Medical Officer at the above institution.

The commencing salary will be £350 per annum, rising subject to satisfactory service by increments of £25 to £450 per annum, with full residential emoluments consisting of board, lodging, laundry, and attendance, valued for superannuation purposes at £200 per annum. An additional £50 per annum will be paid to a holder of a recognised post-graduate qualification in psychological medicine. A person who has held a resident house appointment will be regarded as having an additional qualification.

The candidate appointed will be required to pass a medical examination and will be placed on the permanent staff after a probationary period, when she will be required to contribute under the Asylums Officers' Superannuation Act, 1909, as modified by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918. The appointment is subject to one month's notice on either side.

Applications, stating full particulars of qualifications, experience, and appointments held, accompanied by copies of three recent testimonials, must be addressed to the undersigned so as to be received not later than 27th March, 1939, and should be endorsed, "Appointment of Resident Lady Assistant Medical Officer, Monyhull Colony."

Canvassing, either directly or indirectly, will be a disqualification.

F. H. C. WILTSHIRE, Town Clerk.

Town Clerk's Office, Council House, Birmingham, 1.

Royal Infirmary, Blackburn.

(244 Beds. Five Residents.)

RESIDENT SURGICAL OFFICER required. Salary £250 per annum, with board, residence, and laundry. Preference will be given to applicants holding the F.R.C.S. Diploma.

Applications, stating age, nationality, qualifications, and experience, together with copies of recent testimonials, to be sent to the undersigned.

T. DEWHURST, General Superintendent and Secretary.

Royal Infirmary, Blackburn.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE PHYSICIAN AND ANÆSTHETIST.

Applications are invited from registered Medical Practitioners for the appointment of House Physician and Anæsthetist at the Council's Municipal Hospital, to commence duty towards the end of April, 1939. The appointment will be for a period of six months with salary at the rate of £150 per annum, with the usual emoluments. If the successful candidate is reappointed for a further period of six months the salary will be at the rate of £200 per annum.

St. Chad's Hospital contains 147 beds, and the cases treated include general medical, acute surgical, and maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications, endorsed "House Physician and Anæsthetist" and accompanied by copies of three recent testimonials, must be delivered not later than 25th March, 1939.

Canvassing directly or indirectly will disqualify.

FRANK CHAPMAN, Town Clerk.

Council House, Smethwick, 6th March, 1939.

Doncaster Royal Infirmary.

(185 Beds.)

Applications are invited for the post of ORTHOPÆDIC HOUSE SURGEON, who will be required to carry out his duties under the direction of an Honorary Orthopædic Surgeon.

Previous Orthopædic experience desirable but not essential.

Salary at the rate of £150 per annum, with residence, board, and laundry.

The appointment is for six months.

Applications, accompanied by copies of not more than three recent testimonials, to be sent to the undersigned.

R. LANCASTER, Secretary-Superintendent.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE PHYSICIAN.

The appointment will be for six months from May 1st, 1939, but is terminable at an earlier date by one month's written notice on either side. Salary will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, March 29th, 1939.

J. A. BEARDSALL, Secretary-Superintendent.

The Royal Gwent Hospital, Newport,

MON. (210 Beds.)

There is an Honorary Consultant Staff of 16 members. Six Resident appointments, two (*) of which are officially recognised for the surgical practice required before admission to the Final Fellowship Examination of the Royal College of Surgeons.

Applications are invited for the following appointments, commencing from 1st May, 1939:—

*SENIOR HOUSE SURGEON, salary £200 per annum; previous Hospital experience is essential.
CASUALTY OFFICER, salary £175 per annum; previous Hospital experience is essential.
HOUSE PHYSICIAN, salary £160 per annum.
SECOND HOUSE SURGEON, salary £150 per annum.
*THIRD HOUSE SURGEON, salary £150 per annum.
HOUSE SURGEON TO FRACTURE AND ORTHOPÆDIC DEPARTMENT, salary £150 per annum.

The appointments are for six months, subject to the provisions of the Rules as to notice. Board, residence, and laundry are provided.

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CHAS. L. DES FORGES, Town Clerk.

Municipal Offices, Rotherham, 13th March, 1939.

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10th March, 1939.

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W. H. BAINES, Town Clerk.

Municipal Buildings, Dale-street, Liverpool, 2, March, 1939.

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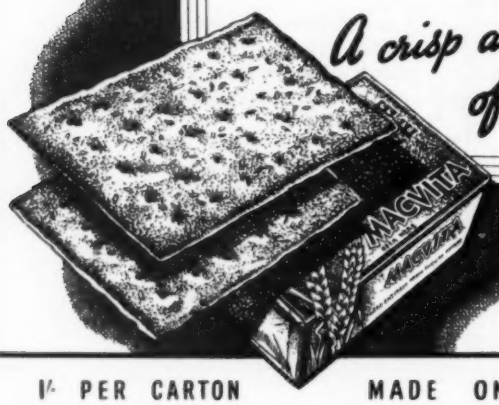

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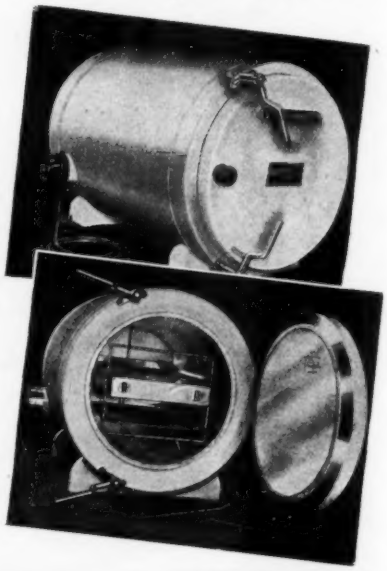

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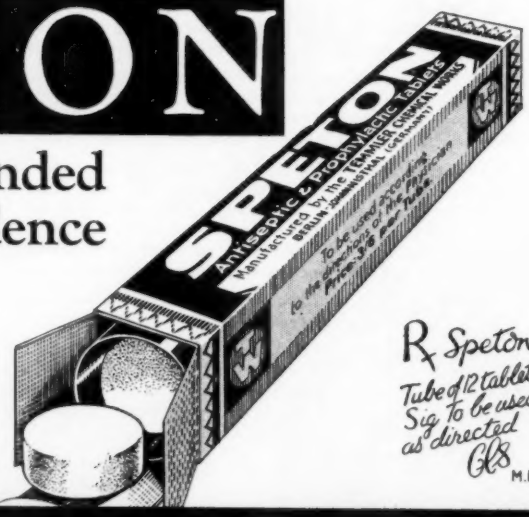

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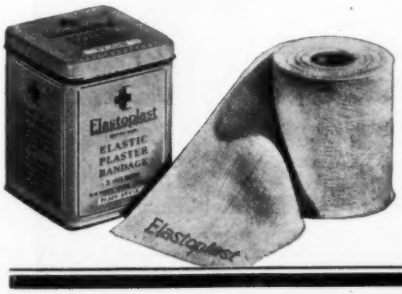
These properties, peculiar to 'Elastoplast,' have produced a bandage used for many years with outstanding success by the Medical Profession throughout the world.

Note: 'Elastoplast' has a SOFT non-fray edge.



Elastoplast

TRADE MARK BRAND

Made in England by

T. J. SMITH & NEPHEW LTD., HULL

And at LONDON, MANCHESTER and GLASGOW

STILBŒSTROL-BOOTS

(Diethylstilbœstrol)

A synthetic compound which clinical trials have shown to be as effective as the naturally occurring œstrogens, and to be highly active when administered by the mouth.

REDUCED PRICES

Tablets for oral administration

Bottle of 25 × 0.1 mg.	1/3
Bottle of 100 × 0.1 mg.	4/-
Bottle of 25 × 1 mg.	3/-
Bottle of 100 × 1 mg.	11/-
Bottle of 25 × 5 mg.	8/3
Bottle of 100 × 5 mg.	31/-

Discount to the Medical Profession

Solution for injection (1.1 cc. ampoules)

Ampoule of 1 mg.	-/10
Box of 6 amps. × 1 mg.	3/3
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Literature sent on request

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are also available for issue on request. The possibility that this esterified product may have certain advantages over ordinary Stilbœstrol is being tested for us by a team of workers on behalf of the Therapeutic Trials Committee of the Medical Research Council.

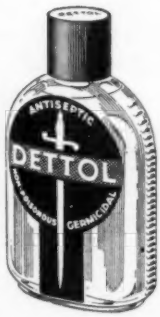
•

BOOTS PURE DRUG CO. LTD., NOTTINGHAM

HIGH GERMICIDAL EFFICIENCY *without danger*

'Dettol' can be used at really effective strengths without danger, discomfort or staining — a marked superiority over carbolic and cresylic antiseptics. It maintains high bactericidal efficiency in the presence of blood, pus and other organic matter, and is the antiseptic now widely used for all obstetrical purposes. 'Dettol' is a clean, clear fluid, non-poisonous and non-staining, with a distinctly pleasant smell.

Sold by Chemists and Medical Suppliers in bottles, 1/-, 1/9, 3/-, 5/- and 7/6, and in larger sizes for Medical and Hospital use. These prices do not apply in Eire or Overseas. Sample, and full information on request.



'DETTOL'

TRADE MARK

THE MODERN ANTISEPTIC

RECKITT AND SONS, HULL AND LONDON. (PHARMACEUTICAL DEPARTMENT, HULL)

★ **PROSTATIC HYPERTROPHY**

EXTRACT FROM CLINICAL REPORT:

Another case has responded favourably to the treatment by "Opocaps" Prostatic. The patient, aged 73, came to consult me about 10 months ago. He had been suffering severe urinary discomforts for several years, for which consultants had recommended prostatectomy as the only means of relief, but he had definitely refused to undergo an operation. He had a constant desire for micturition and had reached the stage of almost complete incontinence. By rectal examination I found a much enlarged prostate of the soft spongy type which was pressing on to the rectum. His condition was such that I had to tell him that he had left it too late for medical treatment and I advised him to have his prostate removed as early as possible. He greatly dreaded an operation and begged me to do what I could for him. With practically no hope of success I prescribed "Opocaps" Prostatic (B.O.C.), and was surprised when he reported about two months later that there was a considerable improvement in his condition, the desire for micturition being much reduced. Since then there has been a gradual improvement, and after 8 months' treatment he is able to get about during the day with but slight urinary inconvenience, and is disturbed only about twice nightly. There is some reduction in the size of the enlargement. He will continue the treatment for a further period.

My other four cases, so far, have not relapsed in any way, although some of them were treated two or three years ago. M.R.C.S., L.R.C.P.

℞ **"OPOCAPS" PROSTATIC (B.O.C.) gr. 3** (Oral)
Mitte - sig. 1 t.d.s., a.c. Supplied in boxes of 50 or 100 capsules.

℞ **"OPOJEX" PROSTATIC (B.O.C.)** (for injection)
Mitte - sig. 1 in die (or dieb. alt. when given concurrently with "Opocaps"). Supplied in boxes of 6 or 12 ampoules 2 c.c.

Particulars of all Preparations supplied on request

BRITISH ORGANOTHERAPY CO. LTD.

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Telephone: Gerrard 7111. Telegrams: "Lymphoid, London."
Agents in India: Smith, Stanistreet & Co., Ltd., Calcutta.

VOLPAR

for

VOLuntary **PAR**enthood

Formulated in co-operation with The Birth Control Investigation Committee of The National Birth Control Association.

Scientific facts backed by clinical experience show that there is every reason to believe that Volpar products are the most effective chemical contraceptives known.

Issued in two forms:

VOLPAR GELS — in screw-capped glass tubes containing 1 dozen gels, 2s. 0d.

VOLPAR PASTE — in tubes containing sufficient for 12 or more applications, 2s. 0d.

A full size specimen packing will be sent to any physician on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

A NEW WAY OF INCORPORATING COD LIVER OIL IN THE DIET

Most dietitians have come to the conclusion that the diet of all classes shows an almost universal deficiency of vitamin D, and that in many cases supplies of vitamin A are inadequate. The cheapest and most reliable source of these vitamins is cod liver oil. It will be remembered that the League of Nations Nutrition Committee includes cod liver oil in its daily diet sheets and that these diet sheets were adopted by the Ministry of Health. There can therefore be little doubt that the addition of cod liver oil to the daily diet would result in a vast improvement in the health of the nation.

While modern cod liver oil is fresh and inoffensive in its taste, many people are still unaware of this improvement, and there is a tendency to resort to expensive substitutes of less reliable vitamin content, or to take it in a disguised (and again more expensive) form. The fact that such evasions are unnecessary is shown by an article in the *British Medical Journal* of January 7th. This article shows that cod liver oil can be used for cooking, and thus incorporated in the daily diet in the simplest possible way.

'SevenSeaS' cod liver oil may be added to almost all fish dishes, and will actually enrich and improve the flavour. 'SevenSeaS' can also be added in small quantities to cakes, puddings, etc., and owing to the freshness and purity of the oil, its presence will not be detected. The nutritive value of all dishes supplemented in this way will be greatly increased. If the practice is made a daily one, an adequate supply of Vitamin A and Vitamin D is ensured.

'SevenSeaS' cod liver oil conforms in every way with the requirements of the British Pharmacopœia. 'SevenSeaS' Standard contains not less than 600 International Units of Vitamin A and not less than 85 International Units of Vitamin D per gramme. 'SevenSeaS' High Potency is approximately four times richer in Vitamin content.

Sets of recipes containing cod liver oil will be sent on request. If you would like a supply of these for your patients, please write to the address below.

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD. · ST. ANDREW'S DOCK · HULL · ENGLAND

EPIDEMIC
INFLUENZA VIRUS SUSPENSION
I.V.S. (B.D.H.)

The British Drug Houses Ltd. announce the issue of Epidemic Influenza Virus Suspension, **I.V.S. (B.D.H.)**, which has been prepared in their bacteriological laboratories.

I.V.S. (B.D.H.) is the virus of true epidemic influenza; it is for use for the production of immunity from this particular infection; it does not afford protection from the varieties of the common cold which are sometimes erroneously termed 'influenza.'

One subcutaneous injection of 1 c.c. of **I.V.S. (B.D.H.)** should afford protection from epidemic influenza for approximately twelve months.

Literature on request

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Telephone: Clerkenwell 3000 Telegrams: Tetradome Telex London

IVS/S/28

GROWTH HORMONE THERAPY

CLINICALLY THE GROWTH HORMONE OF THE ANTERIOR LOBE OF THE PITUITARY GLAND IS INDICATED IN CASES OF STUNTED GROWTH OR DWARFISM OCCURRING BEFORE THE CLOSURE OF THE EPIPHYSES.

THE PREPARATION OF 'GLANOID' GROWTH COMPLEX IS PRACTICALLY FREE FROM GONADOTROPIC MATURITY HORMONES, AND IS ESPECIALLY SUITABLE FOR CHILDREN.

STANDARDISED PHYSIOLOGICALLY THE ASSAYED POTENCY OF THE 'GLANOID' GROWTH COMPLEX IS 100 GROWTH UNITS PER C.C.

SUPPLIED IN 5 c.c. RUBBER CAPPED VIALS FOR INTRAMUSCULAR INJECTION.

Write for Literature to:— THE **Armour Laboratories** (ARMOUR AND COMPANY LTD)

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In childbirth, before and after delivery, Brand's Essence is recommended by doctors everywhere for conserving and restoring strength. Even in extreme weakness or exhaustion it is given with excellent results. Should pyrexia develop, Brand's Essence is the safe stimulant because it does not increase temperature. It is easily and quickly absorbed without putting the slightest strain on the system, no solids being formed during digestion. Its life-giving proteins are wholly assimilated within a few minutes, producing quick revival in strength. It does not cause thirst as it contains no irritant meat fibre or added salty matter.

DOCTORS AGREE

BRAND'S ESSENCE IS VITAL IN CHILDBIRTH

BRAND'S Chicken or Beef ESSENCE

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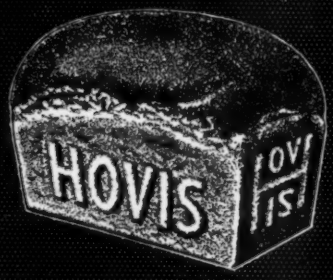
EMLMJ338

HOVIS TRADE MARK

in Convalescence

Low starch content renders HOVIS very digestible especially with patients whose vitality is low



BEST BAKERS BAKE IT

25% ADDED WHEAT GERM · RICH IN FATS · VITAMIN B

Macclesfield

A thorough investigation

(reported in "The Analyst," 1936, Lxi, 310.)

could find no tea on the market which was free from tannin

The following facts about tea and tea tannin have been established by recent clinical and laboratory experiment:—

[A] Tea as normally drunk is harmless and has no ill effects whatever on the human body. The amount of caffeine and tea tannin in tea is pharmacologically small.

[B] Tea tannin is a different substance from the tannic acid of the Pharmacopœia, which is a Pyrogallic tannin, and the two should not be confused.

[C] Clinical experiments have shown that the action of tea tannin is very much milder than that of tannic acid, and the different composition of the two tannins is proved by the fact that the tannic acid of the Pharmacopœia is about 25 times stronger as an acid than tea tannin.

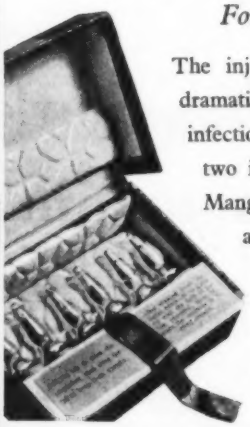
[D] Many common beverages besides tea contain similar tannins and in comparable amounts.

[E] If there were any teas completely free from tannin, they would be almost entirely tasteless.

ISSUED BY THE INTERNATIONAL TEA MARKET EXPANSION BOARD LTD

MANGANESE BUTYRATE B.D.H.

For the Treatment of Recurrent Boils



The injection of Manganese Butyrate B.D.H. has produced dramatic results in cases of recurrent boils; in many such cases the infection is rapidly and completely cleared up after only two injections, further multiplicity being prevented.

Manganese Butyrate B.D.H. is injected intramuscularly; in the average case it is usual to make two injections — one injection of 1.0 c.c. followed by a second injection three to six days later of 1.5 c.c. If necessary a further course of two injections may be given six weeks to two months later.

Sample on request

THE BRITISH DRUG HOUSES LTD. LONDON N.1

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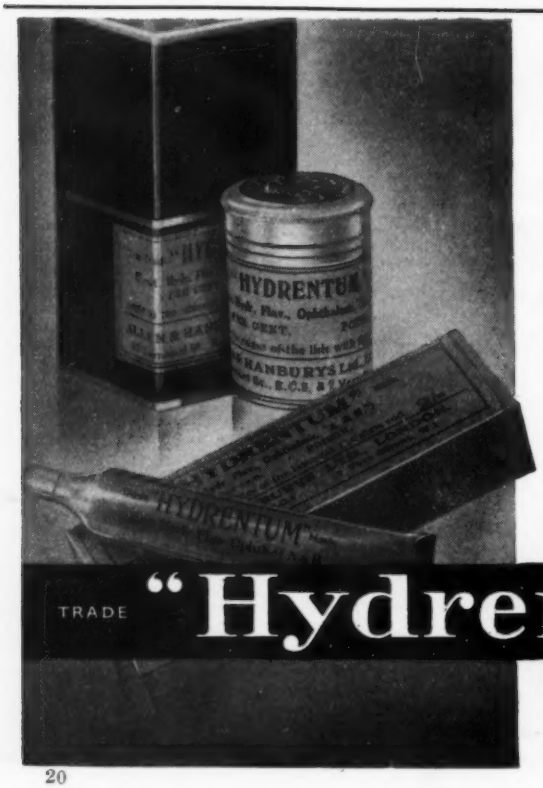
MB/S/24



"HYDRENTUM" is an improved Pagenstecher's ointment of yellow oxide of mercury in the "colloidal" state.

It is prepared by a special process which ensures a perfectly homogeneous cerate.

It mixes uniformly with the lachrymal secretions.

¼, ½, 1, 2, 2½, 3, 4, and 5 per cent.
Price 2/- per tube or pot.

"Hydrentum" 1% c. Atropin. 1%
" ½% " ½%
Price 2/- per tube

Descriptive literature will be sent on request.

TRADE "Hydrentum" MARK

ALLEN & HANBURYS Ltd.
London, E.2

West End House: **7 Vere St., W.1**
City House: **37 Lombard St., E.C.3**

Depend upon it . . . . .

Welfare and sick-room experience amply demonstrates the fundamental importance of regularity of bowel evacuation particularly for children during their growth and development. In this connection the choice of a laxative is obviously of first importance.

●

'California Syrup of Figs' offers marked advantages over the harsher mineral and synthetic drugs. Skilfully prepared from selected figs and sennas, it effects thorough evacuation without griping or discomfort. Moreover it has no exhausting effect on the alimentary system and is completely safe and dependable in action.

●

'California Syrup of Figs' may confidently be recommended as the routine laxative for children of all ages. Being pleasantly flavoured it is accepted readily by the most fastidious patient.

'California Syrup of Figs'

Samples will gladly be supplied on application to :—
PROPRIETARY AGENCIES, LTD.
179, Acton Vale, London, W.3

for prevention treatment convalescence

MARMITE

rich in vitamin B complex

At this time of the year it is important to give special attention to the diet and to ensure that the patient is obtaining an ample allowance of protective foods.

Marmite is recognised as a particularly useful protective food. It fortifies against infection—is invaluable in illness and aids convalescence. Its full complement of all the vitamins of the B group and its savoury flavour are points of interest both to the doctor and the patient.

Sample and literature on request

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1-oz. 6d., 2-oz. 10d., 4-oz. 1s. 6d., 8-oz. 2s. 6d., 16-oz. 4s. 6d. Special terms for packs for hospitals and welfare centres.

393

MANDECAL

(Compound Calcium Mandelate B.D.H.)

In the treatment of Cystitis and Pyelitis

Mandecal possesses many outstanding advantages over other forms of treatment, particularly when used in cystitis and pyelitis prior to operation; it is acceptable to the delicate and hypersensitive patient, and it does not produce nausea nor deleterious after-effects of any kind; indeed, it is described as the 'ideal product for such treatment'.

Sample and literature on request

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LONDON N.1
Telephone: Clerkenwell 3000
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CRUNCHY FOOD

in the daily diet

and its benefits to general health

★

Ryvita, being of a hard and crunchy consistency, encourages the habit of thorough mastication. Many doctors find that this has beneficial effects upon digestion and this they attribute to the fact that it prevents meals being eaten too quickly and so relieves the digestive organs of unnecessary strain. Moreover, such mastication breaks the food into small particles that are easily dealt with by the digestive juices. They point out that this applies not only to Ryvita, but also to other food eaten with it.

They believe too, that Ryvita gives healthy exercise to the jaws, thus assisting their correct development, while its fibrous texture helps to clean the teeth of sticky food particles.

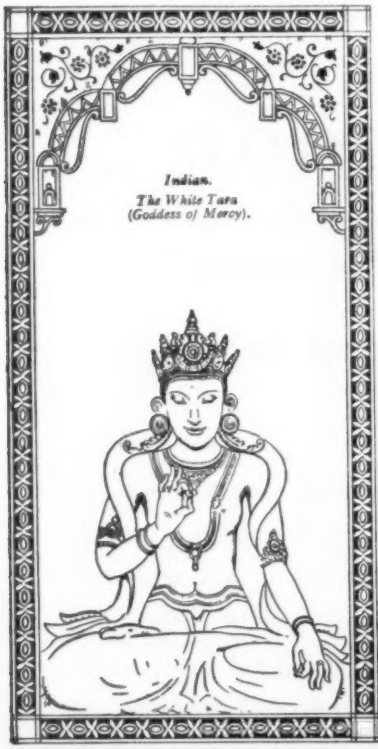
Finally, they appreciate that Ryvita, being made from whole-grain rye, has a valuable roughage content.

For these reasons, many doctors frequently recommend their patients to make Ryvita their daily bread. A complimentary carton will gladly be sent on request.

THE RYVITA COMPANY LIMITED

96-98 SOUTHWARK STREET · LONDON · SE1

Bakeries in Birmingham



"ALOCOL"

Colloidal Hydroxide of Aluminium

Improved Antacid Therapy

SODIUM BICARBONATE, bismuth salts and other time-honoured antacids having each proved to possess individual disadvantages, an agent such as "Alocol" which combines the best therapeutic features of these with intrinsic merits of its own, must be of interest to the physician.

"Alocol" is a powerful antacid agent which forms with the stomach contents a colloidal jelly with the power of adsorbing free hydrochloric acid, thus fixing it and eliminating it from the system. It has a remarkably soothing effect on the inflamed or irritated gastric mucosa and is, therefore, rapidly effective in relieving pain. Being non-absorbable "Alocol" is free from any risk of "alkalosis."

"Alocol" can be prescribed with confidence in all cases where alkaline therapy is indicated. Issued in tablet and powder form.

Complete chemical history of "Alocol," with convincing clinical reports and supply for trial sent free to physicians on request.

A. WANDER, LTD., Manufacturing Chemists,
184, Queen's Gate, London, S.W.7.
Works: KING'S LANGLEY, HERTFORDSHIRE.

M257

ALASIL

Better Salicylate Therapy

WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged, and patients with finely-balanced digestive capacities.

A supply for clinical trial with full descriptive literature sent free on request.

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***Laboratories and Works:* King's Langley, Herts.**

M269

A Natural Food that provides an *adequate* daily supplement of Vitamin B_1

Doctors will have noticed the increasing tendency nowadays to make greatly exaggerated claims about the Vitamin B content of cereal foods.

The significant vagueness of these claims, while unlikely to deceive the medical profession, can, on occasion, prove misleading to the cursory reader.

In actual fact, the Vitamin B content of cereal foods seldom amounts to more than about 20 International Units per ounce. The dietetic value of this content can be judged by considering the findings of a League of Nations Committee on the Vitamin B requirement of an average adult. The Committee has estimated this requirement at 750 I.U. per day.

Now compare these cereal foods with Bemax. This natural food (made solely from selected wheat germ) contains from 11 to 15 I.U. of B_1 per gram, checked by biological assay of each day's output.

Bemax is obviously the most practical and satisfactory natural means of providing the adequate daily supplement of Vitamin B. It is a palatable food that can be added to the ordinary breakfast cereal or taken in milk.

Bemax

400 I.U. Vit. B_1 per oz.

Laboratory reports and a clinical sample sent to medical men on application to:
Vitamins, Ltd. (The Bemax Laboratories) (Dept. L.73), 23, Upper Mall, London, W.6.

Habitual Abortion and Dietary Sterility

The increasing use of Vitamin E for habitual abortion and sterility of dietary origin demands a wheat germ oil of proven high activity and of *stable* Vitamin value. Such an oil is available for the medical profession in Fertilol.

FERTILOL

Wheat Germ Oil Capsules
A highly active source of Vitamin E.
A complimentary box of Fertilol Capsules and brochure sent on request.
Vitamins Ltd.,
(Dept. L.73) 23, Upper Mall, London, W.6

A 15TH CENTURY BATH SCENE—*Illustration from "The Lame, the Halt & the Blind" by H. W. Haggard; published by William Heinemann (Medical Books) Ltd. The bathing scene shown here is from a 15th century manuscript. The bath was a luxury only for the few. Not only were food and drink served in the bathhouses, but the keeper often carried on a quasi-medical practice as well. Later the Roman bathing practice declined, both because the system was condemned by the Church fathers, and because of the curtailment of the water-supply due to the destruction of the aqueducts.*

The Improvement in Cleanliness and Health

THE BATH is no longer only a luxury indulged in occasionally by the few. It is only in comparatively recent times, however, that it has become a regular part of the toilet.

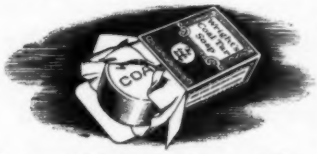
Before Lister's discovery that the suppuration of wounds was caused by the introduction of micro-organisms into the blood, the importance of cleanliness was not appreciated even by the surgeon.

Today, it is a matter of common knowledge that dirt of any kind invites disease, and it is being increasingly recognised by the lay public that the simplest and most effective method of combatting infection in everyday life is by the regular use of a reliable antiseptic soap, capable of removing germ-laden dirt deeply ingrained in the pores.

Wright's Coal Tar Soap has enjoyed the confidence of the medical profession and a discriminating public for this purpose for over 70 years. Containing 'Liquor Carbonis Detergens', the valuable antiseptic and detergent used and recommended by leading dermatologists, it has substantial antiseptic and antipruritic qualities. The consistent purity and quality of its ingredients, moreover, have earned for Wright's the highest award of the Royal Institute of Public Health and Hygiene — the Blue Seal of Merit. It is the only toilet soap to hold this honour.

WRIGHT'S COAL TAR SOAP

THE SAFE SOAP



Wright, Layman & Umney Ltd. 44-50 Southwark Street, S.E.1

Physiological Biliary Drainage

SURGICALLY, the drainage of the gall-bladder is accomplished by cholecystotomy.

MEDICALLY, the same result is achieved in a physiological manner by Veracolate, because the combined bile salts, sodium taurocholate and glycocholate, of which Veracolate is essentially composed, stimulate the formation of bile, which irrigates the entire biliary tract, promote drainage and overcome stasis.

Veracolate is of established value in chronic cholecystitis, cholangitis, biliary insufficiency, biliary engorgement, before and after biliary tract surgery and as a prophylactic where a gall-stone diathesis exists.

Veracolate brand Tablets are supplied in bottles of 50, 100 and 500.

Samples and literature on request.

WILLIAM R. WARNER & CO. LTD., POWER ROAD, CHISWICK, LONDON, W.4.

VERACOLATE

BRAND TABLETS

A TRUE CHOLAGOGUE

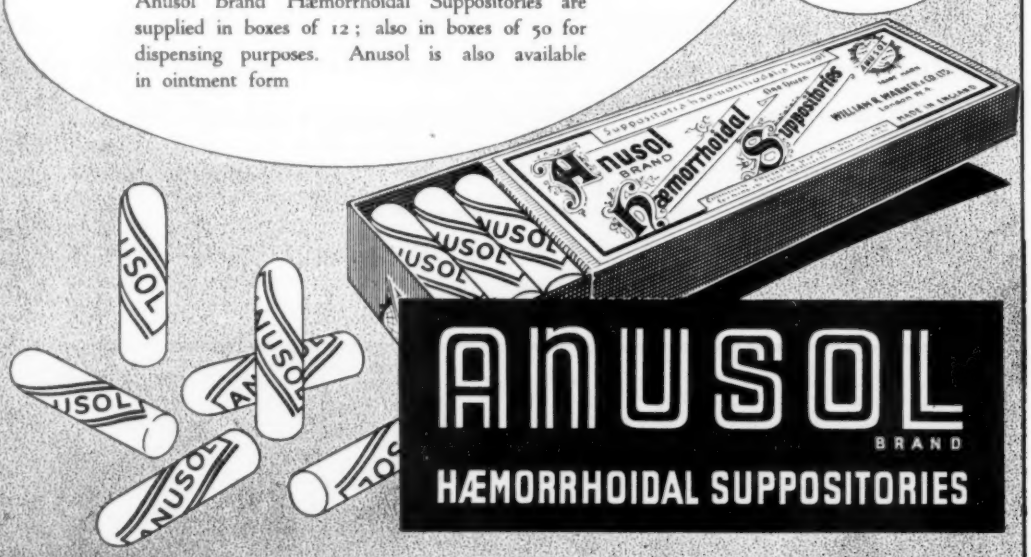
The Treatment of HÆMORRHOIDS

When surgery remains the only means to a permanent cure but is ruled out by pregnancy, advanced cardiac or renal conditions, and hepatic disease, Anusol Hæmorrhoidal Suppositories afford the patient substantial relief.

Inflammation and congestion are reduced, pain is alleviated and hæmorrhage is controlled, without recourse to narcotic, anæsthetic or mydriatic drugs.

In cases where surgical treatment is employed, Anusol Suppositories render effective aid in preparing the involved area for operation; after which they relieve pain and discomfort, protect the traumatised tissues and favour uneventful healing.

Anusol Brand Hæmorrhoidal Suppositories are supplied in boxes of 12; also in boxes of 50 for dispensing purposes. Anusol is also available in ointment form



ANUSOL
BRAND
HÆMORRHOIDAL SUPPOSITORIES

WILLIAM R. WARNER & CO. LTD., POWER ROAD, CHISWICK, LONDON, W.4

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MIDGLEY'S MEDICATED SOAPS

FORTY-NINE FORMULÆ

Three Medisoaps which are very frequently prescribed :

MEDISOAP No. 10
(Ichthammol 10%)
for Dermatitis and Pruritus

MEDISOAP No. 18
(Sulph. Præcip. 10%)
(Betanaphthol 2½%)
for Acne and Prurigo

MEDISOAP No. 19
(Sulph. Præcip. 5%)
(Camphora 5%)
(Balsam Peru B.P. 3%)
for Psoriasis, Eczema and Scabies

Prices **1/3** a tablet

Prescribers' index to Medisoaps sent on request

Made by CHARLES MIDGLEY LTD., MANCHESTER

Distributed by

Evans Sons Lescher & Webb Ltd.

Manufacturers of Fine Chemical, Pharmaceutical and Biological Products

Liverpool and London

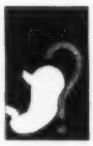
for the treatment of PEPTIC ULCER

'ALUDROX'

BRAND REGD.

AMPHOTERIC GEL

(*Colloidal Aluminium Hydroxide*)



Q. Can aluminium hydroxide gel be shown effectively to neutralise the gastric contents ?

A. "*We believe that . . . aluminium hydroxide possesses . . . neutralising powers as great as those of ordinary doses of alkaline powders.*" *

Q. Is it an effective substance in the clinical treatment of peptic ulcer ?

A. "*. . . in general the clinical impression was that the benefit was fully equal to what was derived from the alkaline powder.*" *

Q. Is there any justification for the claim that it cannot produce alkalosis ?

A. "*Our inquiry, admittedly limited in extent, therefore suggests that the claim that aluminium hydroxide does not produce alkalosis is justified.*" *

* See "Colloidal Aluminium Hydroxide in the Treatment of Peptic Ulcer," published in *The Lancet*, 4th March, 1939.

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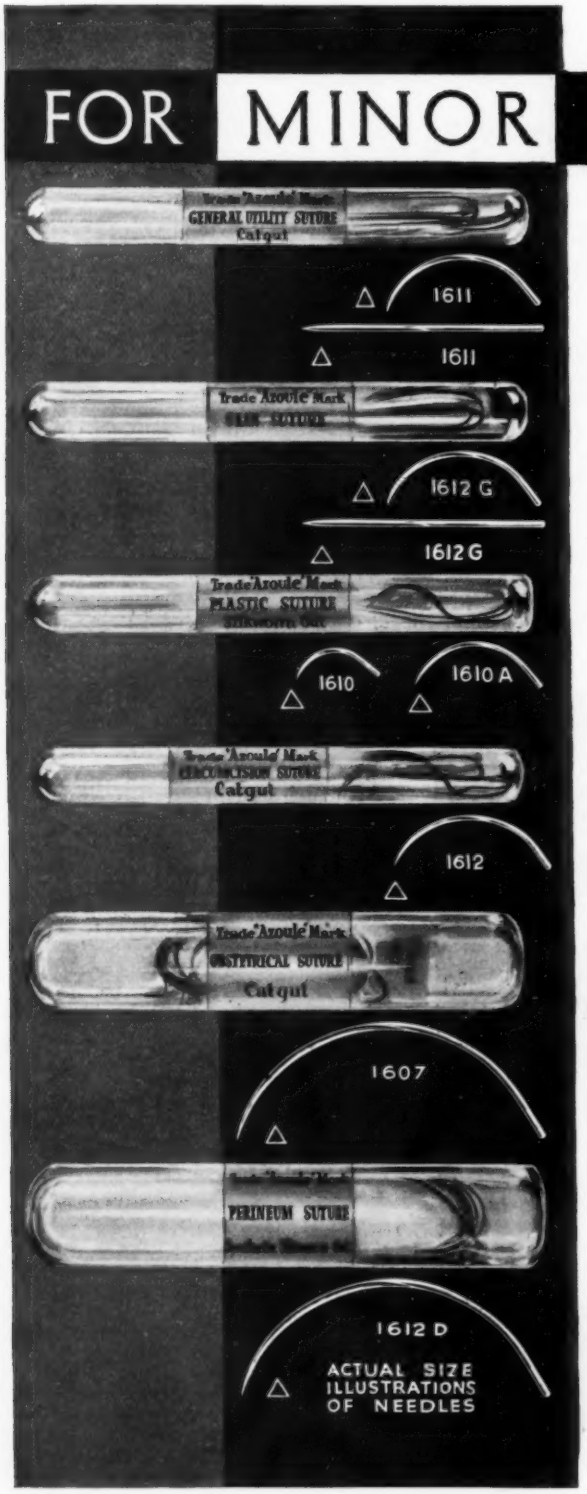

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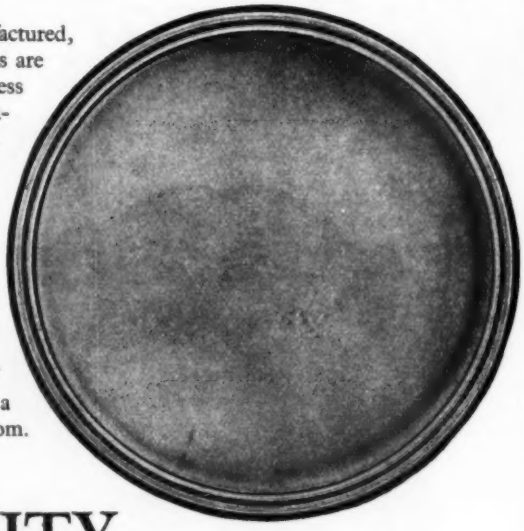

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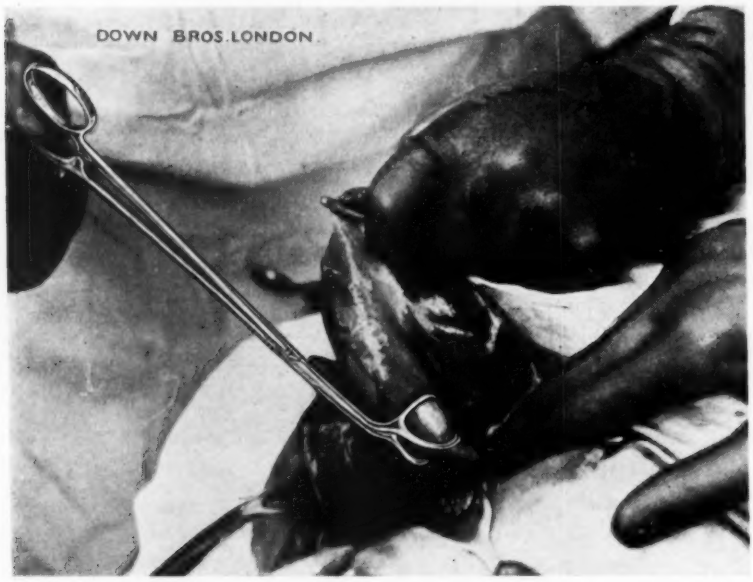

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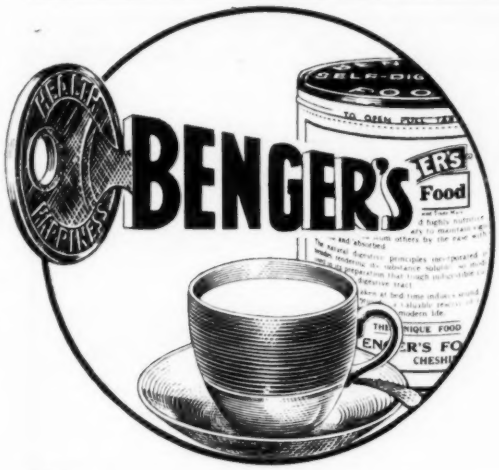

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Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a "team" of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, tropical diseases, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* **181 & 182, Winkfield Row.**

ST. ANDREW'S HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS,

NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods: insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephones: Rodney 2641 and 2642.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Colne, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES — Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful gardens. Own Dairy in 25 acres. Private road to beach. There is also a charming house, EBWORTHY, MANATON, DARTMOOR, situated in 20 acres, 1100 ft. up for bracing moorland air.

Resident Physicians—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 59 and TEIGNMOUTH 289

CALDECOTE HALL

NUNEATON
WARWICKSHIRE
('Phone: Nuneaton 241)

Residential treatment of

"Nervous Disorders" & Alcoholism

(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.
CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.
Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

PENDYFFRYN HALL SANATORIUM

All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 800 ft., and commanding extensive sea and mountain views. Central heating, electric light, X-ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Rooms now available from 5 guineas weekly.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary, Pendyffryn Hall, near Penmaenmawr, North Wales. 'Phone 20.

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

BROMPTON HOSPITAL
and FRIMLEY SANATORIUM

PAYING PATIENTS RECEIVED
BOTH MEDICAL and SURGICAL CASES
5 to 8 guineas per week at the Hospital. 3 to 4 guineas per week at the Sanatorium

APPLY TO THE SECRETARY:—BROMPTON HOSPITAL, S.W.3

VALE OF CLWYD SANATORIUM

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in the case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a Staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

SHAFTESBURY HOUSE

FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No.* 8 *Formby.*

RUTHIN CASTLE, NORTH WALES

A Private Hospital or Clinic for the diagnosis and treatment of Internal Diseases (except Mental or Infectious Diseases). The Clinic is provided with a staff of doctors, bacteriologists, chemists, radiologists, dietists, nurses, masseurs, and masseuses.

The surroundings are beautiful. The climate is mild. There is central heating throughout. The annual rainfall is 3·05 inches, that is, less than the average for England.

The inclusive weekly fees are from 15 guineas a week, according to the room occupied; rooms with bathroom are from 21 guineas. An examination and consultation fee of 15 guineas is charged on the first visit.

SPECIAL FEE FOR INVESTIGATION ONLY—30 GUINEAS, including stay up to 10 days and report to doctor. For particulars, apply to

THE SECRETARY, Ruthin Castle, North Wales.

Telegrams: Castle, Ruthin. *Telephone:* Ruthin 66.

The MUNDESLEY SANATORIUM

The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

Resident Physicians:
S. VERE PEARSON, M.D. (Cantab.), M.R.C.P. (Lond.).
E. C. WYNNE-EDWARDS, M.B. (Cantab.), F.R.C.S. (Edin.).
GEORGE H. DAY, M.D. (Cantab.).

For all information apply:
THE SECRETARY, THE SANATORIUM, MUNDESLEY, NORFOLK.
Telephone: Mundesley 94 and 95 (2 lines)

The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

TERMS FROM 7½ GUINEAS WEEKLY

PARK SANATORIUM

(FORMERLY SANATORIUM TURBAN)

DAVOS-PLATZ, SWITZERLAND

First-class house, 5,150 ft. above sea-level. Large park and wood belonging to the sanatorium. Terms for board and residence, including room, medical treatment, etc., from Frs. 16.– per day. Prospectus.

Medical Superintendent, F. BAUER. M.D.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

CHISWICK HOUSE,

PINNER, MIDDLESEX.

Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

THE ARCHER NERVE TRAINING COLONY

LANGLEY RISE, KING'S LANGLEY, HERTS.

Started 35 years ago by the late Mrs. William Archer for the special treatment of **FUNCTIONAL NERVOUS DISORDERS** by a system of Relaxation correlated with training in Nerve Control. Home life in separate houses in charming grounds; 20 miles from London; Chalets for resting. Eurhythmics, Voice Production, Occupational Therapy, etc. Telephone: King's Langley 7519. Lessons and Treatments in the art of Relaxation can also be obtained at the "**FRANCES ARCHER**" Centre, 30, Dorset Sq., N.W.1 (near Baker St. Stn.), Weds. and Sats. 10–1 p.m., 2–5.30 p.m. Tel.: Ambassador 2864. All applications to the Secretary, King's Langley.

MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

PRIVATE NERVOUS AND MENTAL PATIENTS

London County Council. — Accommodation for Male Patients suffering from nervous and mental disorder (voluntary, temporary, or certified) is provided in the private section of Claybury Hospital, Woodford-bridge, Essex. Terms, exclusive of clothing and special luxuries, 49s. a week for London cases, 53s. 1d. a week for others.

For particulars apply to the Medical Superintendent at the Hospital, or to the Chief Officer, Mental Hospitals Department, Shell-Mex House, Strand, W.C.2.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

HOME FOR EPILEPTICS

MAGHULL (near LIVERPOOL)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES: 1st Class (men only) from £5 5s. per week upwards.
2nd Class (men and women) 32/- per week.

For further particulars apply:
C. EDGAR GRISEWOOD, A.C.A., Secretary,
20, Exchange Street East, Liverpool, 2

SPRINGFIELD HOUSE

'Phone: BEDFORD 3417. **Near BEDFORD**

For Mental Cases with or without Certificates.

Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

Grove House, All Stretton, Church
STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.
Climate healthy and bracing.
Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

HILL END HOSPITAL AND CLINIC
FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS
(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as
HIGHFIELD HALL,
situate about a mile away from the Hospital.
FEES TWO TO FIVE GUINEAS PER WEEK.
For further particulars apply to the Medical Director, W. J. T. KIMBER, L.R.C.P., D.P.M.
ST. ALBANS, HERTS

NORTHUMBERLAND HOUSE
GREEN LANES,
FINSBURY PARK, N.4
A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.
Telephone: Stamford Hill 2688.
For further particulars apply to the MEDICAL SUPERINTENDENT.

CLARENCE LODGE
CLAPHAM PARK, LONDON
Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.
Station: Clapham Common Tube.
Phone: Tulse Hill 4913
Apply MISS THWAITES.

RUSSELLS
Hemel Hempstead Road,
WATFORD
Telephone: WATFORD 5917
A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.
Apply: RESIDENT MEDICAL OFFICER.

EPPING HOUSE
LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.
An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, Farm Produce, &c.
Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.
Telephone: Essenden 212. *Apply,* J. C. BAKER, M.B.

ALCOHOLISM
Drug Habits, and Nervous Disorders
25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the Matron. RESIDENT MEDICAL SUPERINTENDENT, E. G. MORRIS, L.R.C.S.I., L.R.C.P.I.
CHISLEHURST 451
OLD HILL HOUSE
CHISLEHURST, KENT.

RHEUMA SPA, KINMEL HALL,
ABERGELE, NORTH WALES
Modern Spa Treatments, including Continental Pistany Mud and Scotch Douche, for Rheumatic and similar disabilities
Resident Physician
Excellent amenities and Recreational facilities

Smedley's
Great Britain's Greatest Hydro
Matlock
Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Stude Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physicians: G. C. R. HARBINSON, M.B., B.Ch., B.A.O. (R.U.I.), H. RHYS DAVIES, F.A., M.B., B.Ch., B.A.O. TERMS, 13s. to 18s. per day, include Turkish and other Baths. *Illustrated Brochure C.J. on request.*
Phone: Matlock 17 (3 lines). *Grams:* Smedleys, Matlock.

THE MARINE SPA
(under the direction of the Corporation)
TORQUAY
Newly fitted Balneological, Electro-Medical, and Small Turkish and Russian Bath sections for recognised forms of Spa, etc., treatment, under mild winter climatic conditions. Large Cooling Lounge, and "Vita" Glass Sun Lounge. Warm Sea-Water Swimming Bath with modern filtration plant. Assistants with C.S.M.M.G., and Bio-Physical qualifications.
Illustrated Spa and Health Resort Brochures post free on application.
H. Berkeley Hollyer, General Manager,
(late Manager, Brine Baths, Droitwich Spa)

IT'S FOLLY TO GO ABROAD in search of an illusory better!

STRATHPEFFER SPA

HAS CURATIVE MINERAL WATERS OF WORLD-WIDE FAME, AND THE UP-TO-DATE WELLS AND BATHS ARE SECOND TO NONE IN BRITAIN.

In a sylvan Ross-shire Glen, flanked by the Mountains, the Spa possesses Scenery and Sports Services assuring Excellent Holidays for all.

FINE HOTELS, INCLUDING L.M.S. HIGHLAND HOTEL, AND BOARDING HOUSE AND COTTAGE ACCOMMODATION. L.M.S. MONTHLY TICKETS AND EXPRESS SERVICES OVER PICTURESQUE HIGHLAND ROUTES MAKE TRAVEL A PLEASURE TOUR.

Illustrated Guide Free from Secretary, Advertising Committee (Dept. 20), Strathpeffer Spa.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Applications are invited for the post of ASSISTANT PHYSICIAN.

Candidates must have a University degree recognised by the General Medical Council and must be Fellows or Members of the Royal College of Physicians London. The successful candidate will be required, in addition to other duties, periodically to deliver Medical Courses of Lectures to the Nurses and to undertake such teaching for the Medical School as the Board may approve.

Applications, with copies only of testimonials, should reach me by Thursday, 6th April. Candidates must attend the Medical Council on Friday, 21st April, at 4.30 P.M., and prior to that date call upon and send copies of their application and testimonials to each member thereof. They must not canvass members of the Board of Management, but nevertheless, must send copies of application and testimonials to each member thereof and, if so notified, be in attendance at a meeting of the Board who will elect on Tuesday, 25th April, at 5 P.M.

H. A. MADGE, Secretary.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Required as soon as possible a RESIDENT CASUALTY OFFICER (Male). The appointment is tenable for six months, subject to one month's notice on either side. A considerable portion of the duties will be in connexion with the Special Injuries Clinic. Salary at the rate of £100 a year with board and lodging. Candidates must be duly qualified registered Medical Practitioners and preference will be given to those who have held a resident appointment at a General Hospital.

Applications (which must be on printed forms obtained from me) must reach me not later than first post on Thursday, 6th April. Selected candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at a Special Meeting of the Medical Council at 4.30 P.M. on Friday, 21st April, and the House Committee Meeting the same day, when the appointment will be made.

H. A. MADGE, Secretary.

National Hospital for Diseases of the HEART, Westmoreland-street, Marylebone, W.1.

RESIDENT MEDICAL OFFICER.

Applications are invited for the post of Resident Medical Officer (Male).

The appointment is for a period of six months from 1st May, but may be renewed for a further period not exceeding six months. Salary at the rate of £150 per annum with board, residence, and washing.

Candidates who must be duly registered Medica)Practitioners will not be expected to call on the Honorary Medical Staff, but should send their applications with copies of three recent testimonials to me, at the Hospital, not later than Tuesday, 4th April.

ROBERT G. E. WHITNEY, Secretary.

St. Bartholomew's Hospital.

PHYSICIAN-ACCOUCHEUR.

NOTICE is hereby given that a Meeting of the Election Committee will be held on Tuesday, 2nd May, 1939, at 4 P.M., to elect a Physician-Accoucheur to the Hospital.

Candidates, who must be Fellows or Members of the Royal College of Physicians London, or Fellows of the Royal College of Surgeons of England, are required to lodge fifty copies of their applications and testimonials with the undersigned on or before Friday, 7th April, 1939.

C. C. CARUS-WILSON, Clerk to the Governors.

28th February, 1939.

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National Hospital for Diseases of the HEART, Westmoreland-street, Marylebone, W.1.

OUT-PATIENT MEDICAL OFFICER.

Applications are invited for the post of Out-Patient Medical Officer (Non-Resident, Male).

The appointment is for a period of six months from 1st May, but may be renewed for a further period not exceeding six months. Salary at the rate of £125 per annum. Candidates, who must be duly registered Medical Practitioners will not be expected to call on the Honorary Medical Staff, but should send their applications with copies of three recent testimonials to me at the Hospital not later than Tuesday, 4th April.

The Out-Patient Medical Officer will be required to assist the Honorary Medical Staff on five afternoons weekly or four afternoons and one morning as may be arranged.

ROBERT G. E. WHITNEY, Secretary.

The Victoria Hospital for Children,
Tite-street, Chelsea, S.W.3. (138 Beds.)

The Committee of Management invite applications for the post of CASUALTY OFFICER (Non-resident) for a period of three months commencing 1st May, next. Hours 9 A.M. to 1.30 P.M. daily (including Saturday). Salary at the rate of £200 per annum, with lunch.

Candidates are expected to attend a Sub-Committee for an interview and to send their applications and copies of three testimonials to the Secretary not later than first postWednesday, the 29th March.

The post gives excellent facilities for postgraduate study.

D. ST. JOHN BAMFORD, Secretary.

The Victoria Hospital for Children,
Tite-street, Chelsea, S.W.3. (138 Beds.)

Applications are invited for the following posts:—

(*a*) OPHTHALMIC SURGEON.
(*b*) SECOND ORTHOPÆDIC SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England and are expected to call on members of the Honorary Medical and Surgical Staffs.

Applications, with copies of testimonials are to be sent to the Secretary at the Hospital not later than first post Wednesday. the 29th March, 1939.

D. ST. JOHN BAMFORD, Secretary.

Hospital of St. John and St. Elizabeth,
60, Grove End-road, N.W.8.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). The post is recognised for the degree of M.S. London University. The appointment will be for six months from the 1st May, 1939. Salary at the rate of £75 per annum with full board.

Applications, together with copies of three testimonials, should reach the undersigned on or before 28th March.

F. DUDLEY HOBBS, B.A., Secretary.

London Chest Hospital,
Victoria Park, E.2.

The Committee of Management invite applications for the post of PHYSICIAN to In-Patients. One of the Out-Patient Physicians is an applicant for the post and in the event of his being appointed a vacancy will occur for an Out-Patient Physician.

Applications are therefore provisionally invited for this post. Candidates must be Fellows or Members of the Royal College of Physicians, London.

Applications should reach the Secretary at the Hospital not later than April 22nd.

THOMAS BROWN, Secretary.

Borough of Hornsey.

AIR RAID PRECAUTIONS.

ASSISTANT MEDICAL OFFICER.

The Air Raid Precautions Control Committee invite applications for the appointment of a Temporary Part-time Medical Officer to act under the Medical Officer of Health in connexion with the training of Volunteers for First Aid Casualty Services and generally in connexion with the Air Raid Precautions of the Borough.

The salary will be at the rate of £400 per annum and will be payable monthly.

The duties will be as follows:—

(1) Lectures in First Aid.
(2) Examinations.
(3) Coöperation with the British Red Cross Society and St. John's Ambulance Brigade.
(4) Selection of Volunteer Personnel for duties.
(5) Unit training and Special Demonstrations.
(6) Equipment, &c., of First Aid Posts.
(7) Assistance in Office Organisation and Supervision of the Casualty Services of A.R.P.

The appointment may be determined by either party by one month's written notice.

Applications should be addressed to the undersigned at the Town Hall, N.8, and should be received by Friday, 31st March next.

H. BEDALE, Town Clerk.

Town Hall, Crouch End, N. 8, 21st March, 1939.

Hospital for Consumption and Diseases

OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite applications for the following posts:—

RESIDENT SURGICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing 1st May, 1939.

ASSISTANT RESIDENT MEDICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose, and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing 1st May, 1939.

HOUSE PHYSICIANS. There are three vacancies. The duties include work in the Out-patient Department and in the wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing 1st May, 1939, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, 8th April, 1939.

F. G. ROUVRAY, Secretary.

Brompton, March, 1939.

THE ARMY DENTAL CORPS

Applications are invited from Dental Surgeons for appointment to COMMISSIONS in The Army Dental Corps.

Candidates, who should not be over twenty-eight years of age, will for the present be selected for commissions without competitive examination, but will be required to present themselves in London for interview and physical examination. They must hold the Degree or Diploma of a British University or College of Surgeons and be registered under the Dentists' Acts or Medical Acts.

Successful candidates will, in the first instance, be given short service commissions for six years, at the end of which period they will retire with a gratuity of £1000, unless they have been granted permanent commissions. Permanent commissions will be given to officers selected from among those who wish to make the Army their permanent career.

Particulars, including regulations for admission, pay, and allowances, and forms of application may be obtained on request either in writing or in person to the Director, Army Dental Service, The War Office, London, S.W.1.

Medical Research Council.

KATHLEEN SCHLESINGER RESEARCH FELLOWSHIP.

The Medical Research Council invite applications for the Kathleen Schlesinger Research Fellowship. This Fellowship is provided from a fund established by the late Mr. Eugen M. Schlesinger and Mrs. Schlesinger in memory of their daughter. It will be awarded by the Council, under the terms of the Trust Deed, to a suitably qualified person who will devote his or her whole time to "investigating the origin and nature of cysts of the brain whether arising from tumours or not or to such studies of other conditions of the central nervous system as the Council may from time to time permit." It will ordinarily be tenable at the National Hospital for Diseases of the Nervous System, Queen-square, London, and for a period of one year in the first instance. The stipend will be at the rate of £300 per annum, with up to £50 per annum for research expenses.

Applications, stating age, qualifications, and research experience, together with the names of two referees, should be lodged with the Secretary, Medical Research Council, 38, Old Queen-street, Westminster, S.W.1, before the 21st April, 1939.

St. Thomas's Hospital.

VACANCIES.

Appointment of ASSISTANT DIRECTOR of RADIOTHERAPY. Whole-time. Salary £600 per annum and certain emoluments.

Appointment of SENIOR RADIOLOGIST. Whole-time. Salary £600 per annum and certain emoluments.

Appointment of JUNIOR RADIOLOGIST. Whole-time. Salary £400 per annum and certain emoluments.

Further information of these appointments and particulars of duties may be obtained from the Clerk to the Governors, to whom applications, with full details of academic career and copies of testimonials, should be sent not later than the 5th of April.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.

HONORARY CLINICAL ASSISTANTS.

Applications are invited for the following appointments as Honorary Clinical Assistants to the Out-patients' Department:—

MEDICAL (six). Three Tuesday 2 P.M. Three Friday 2 P.M.
OBSTETRIC (one). Monday 9 A.M. and Wednesday 2 P.M.
GYNÆCOLOGICAL (one). Monday 9 A.M. and Wednesday 2 P.M.
SKIN (three). Thursday 9 A.M.
EAR, NOSE, AND THROAT (one). Friday 9 A.M.
OPHTHALMIC (two). Monday 2 P.M.
X RAY AND ELECTRO-THERAPEUTIC (one). Thursday 2 P.M.
DENTAL (one). Wednesday 9 A.M.

Applications, giving qualifications, age, &c., together with copies of not more than three recent testimonials, should be received by the Secretary, The Princess Beatrice Hospital, 194, Finborough-road, S.W.10, not later than 9 A.M. March 31st, 1939.

Queen Mary's Hospital for the East

END, Stratford, London, E.15.

Wanted a REGISTRAR to the EAR, NOSE, AND THROAT DEPARTMENT to assist the Aural Surgeon who is in charge of that department. The appointment carries with it an honorarium of 50 guineas per annum.

Attendance will be required at the Hospital on Tuesday and Friday mornings at 9 A.M.

Applications from candidates, who must be Fellows of the Royal College of Surgeons, to be sent to the undersigned not later than Wednesday, the 5th of April, 1939, accompanied by copies of three testimonials.

RAPHAEL JACKSON, Major, Secretary.

Child Guidance Council.

FELLOWSHIPS IN PSYCHIATRY.

The Child Guidance Council offers three Fellowships, each of £300, tenable for a year, for half-time work at the London Child Guidance Clinic, 1, Canonbury-place, Islington, N.1.

Candidates should hold the Diploma in Psychological Medicine or show evidence of psychiatric knowledge up to a similar standard. Experience in Pædiatrics or School Medical Service will be regarded as an asset.

The Fellows will be expected to commence work in October this year.

Further particulars and forms of application may be obtained from the Secretary, Child Guidance Council, Woburn House, Upper Woburn-place, London, W.C.1.

Applications should reach the Secretary not later than 8th May, 1939, and should be accompanied by three copies of not more than three recent testimonials.

The Middlesex Hospital, W.1.

Applications are invited for the appointment of RESIDENT MEDICAL OFFICER. Appointment in the first instance for three years renewable annually thereafter for a further three years. Salary £400 per annum, rising by £50 to £500, with board and residence provided in the College, where he will be required to reside.

Candidates must be registered Medical Practitioners, either Doctors or Bachelors of Medicine of a recognised University, or Members of the Royal College of Physicians of England or Masters or Bachelors of Surgery or Fellows of the Royal College of Surgeons.

Applications (thirty copies) supported by copies of testimonials, should be submitted by 18th April, 1939.

S. R. C. PLIMSOLL, Secretary-Superintendent.

Royal Eye Hospital,

St. George's-circus, S.E.1.

Applications are invited for the post of REFRACTIONIST to the L.C.C. CHILDREN'S DEPARTMENT, Wednesday mornings, Salary £80 per annum, commencing 5th April, 1939.

Applicants are requested to state which afternoon they could act as Clinical Assistant (in conjunction with above post) for which an honorarium of £20 per annum will be paid.

Applications should be sent to the Secretary on or before 30th March.

F. E. D'ALTON, Secretary.

ROYAL ARMY MEDICAL CORPS

Applications are invited from Medical Men for appointment to commissions in the Royal Army Medical Corps.

Candidates will for the present be selected for commissions without competitive examination and will be required to present themselves in London for physical examination and interview on or about the 24th April, 1939. They must be registered under the Medical Acts and normally must not be over the age of 28 years.

Successful candidates will in the first instance be given short service commissions for five years. During the 4th year of this period they will be given the opportunity of applying for permanent commissions in either the Royal Army Medical Corps or the Indian Medical Service. Those not selected will retire on completion of 5 years' service with a gratuity of £1000.

Candidates who are successful will, unless they are seconded to complete a hospital appointment, assemble at the Royal Army Medical College, London, on the 1st May, 1939.

Particulars of the Conditions of Service in the Royal Army Medical Corps, pay and allowances, and forms of application, may be obtained on application, either in writing or personally, to the Assistant Director-General, Army Medical Services, The War Office, London, S.W.1.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

St. John's Hospital, Lewisham, S.E.13.

Applications are invited to fill the appointment of ORTHOPÆDIC REGISTRAR. The successful candidate is required to attend the hospital on Wednesday mornings. An honorarium of 35 guineas per annum is paid.

Applications, with particulars of qualifications and experience, should be addressed to the undersigned as soon as possible.

J. C. GILBERT, Secretary-Superintendent.

Metropolitan Hospital,

Kingsland-road, E.8. (150 Beds.)

There are vacancies for the following :—

SENIOR HOUSE PHYSICIAN SENIOR HOUSE SURGEON JUNIOR HOUSE PHYSICIAN JUNIOR HOUSE SURGEON	Males. Salary £100 per annum.

Appointment in the first place will be for a period of six months dating from 1st May. Candidates must possess a registered medical and surgical qualification of the United Kingdom.

Form of application must be obtained from the undersigned and returned duly completed by 4th April, 1939. Two members of the Resident Staff are candidates for the two senior appointments.

FRANK JENNINGS, House Governor and Secretary.

Belgrave Hospital for Children

(Incorporated), 1, Clapham-road, S.W.9.

The Committee of Management invite applications for the positions of :

Two HOUSE PHYSICIANS and One HOUSE SURGEON, which will become vacant on April 30th.

Applicants must be fully qualified and registered. The appointments are for six months, with board, residence, and washing provided. Salary at the rate of £100 per annum in each case.

Applications, with copies of testimonials, stating age, should be forwarded on or before Friday, March 31st.

THOMAS CLAPHAM, Secretary.

King George Hospital, Ilford (near London).

(207 Beds.)

RESIDENT ANÆSTHETIST (Male) required for a period of six months from 1st April. Salary £150 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, as soon as possible.

G. AUSTIN HEPWORTH, Secretary and Superintendent.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

GENERAL HOSPITAL. (112 Beds.)

The Board of Management invites applications from suitably qualified Male candidates for appointment as RESIDENT MEDICAL REGISTRAR AND RESIDENT PATHOLOGIST. The appointment will be for six months in the first instance, renewable, subject to approval, for further periods of six months up to a maximum of two years. Honorarium will be at the rate of £150 per annum, plus board, residence, and laundry.

Applications (to be made on the prescribed form obtainable from the undersigned) should be submitted on or before Monday, March 27th. Short-listed candidates will be invited to meet the Appointments Committee on March 31st, 1939.

R. S. G. HUTCHINGS, Secretary.

Paddington Green Children's Hospital

(Incorporated), London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1939.

Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 14th, 1939.

Salary of each at the rate of £150 per annum, with board and residence.

Candidates who have held a responsible Resident Hospital appointment are preferred.

The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

The Guest Hospital, Dudley.

(General Hospital—139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

CASUALTY HOUSE SURGEON (Male) required. Duties to commence immediately. Salary at the rate of £150 per annum with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

21st March, 1939.

Doncaster Royal Infirmary.

(185 Beds.)

Applications are invited for the post of ORTHOPÆDIC HOUSE SURGEON (Male), who will be required to carry out his duties under the direction of an Honorary Orthopædic Surgeon.

Previous Orthopædic experience desirable but not essential.

Salary at the rate of £150 per annum, with residence, board, and laundry.

The appointment is for six months.

Applications, accompanied by copies of not more than three recent testimonials, to be sent to the undersigned.

R. LANCASTER, Secretary-Superintendent.

Doncaster Royal Infirmary.

(185 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male).

Applicants must be unmarried and have had previous surgical experience. The appointment will be for six months and renewable for further periods of six months, subject to satisfactory service. Salary will be at the rate of £250 per annum, rising by half yearly increments of £25 per annum to a maximum of £350 per annum.

Applications, together with copies of three recent testimonials, should be forwarded to the undersigned.

R. LANCASTER, Secretary-Superintendent.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of HOUSE PHYSICIAN.

The appointment will be for six months from May 1st, 1939, but is terminable at an earlier date by one month's written notice on either side. Salary will be at the rate of £130 per annum, with board, residence, and laundry.

Candidates (Male), who must be unmarried and duly registered, are requested to forward their applications, stating age, qualifications, &c., together with copies of not more than four testimonials, to the undersigned on or before Wednesday, March 29th, 1939.

J. A. BEARDSALL, Secretary-Superintendent.

Manchester Ear Hospital,

Grosvenor-square, All Saints'.

The Board invite applications for the post of Non-resident HOUSE SURGEON. Salary at the rate of £150 per annum, with partial board. Appointment six months. 31 Beds.

Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

City of Norwich.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER, &c.

Applications are invited for the post of Assistant Medical Officer of Health and Assistant School Medical Officer to include the duties of Medical Officer with residence at the Isolation Hospital. Salary £600 per annum (including emoluments valued at £150 per annum), rising by annual increments of £25 to £700 per annum. Board allowance at the rate of £60 per annum granted when absent from hospital on leave. The salary and the value of the emoluments will be subject to a deduction in accordance with the provisions of the Local Government Superannuation Act, 1937.

For particulars apply to the Medical Officer of Health, 68, St. Giles-street, Norwich, by whom applications for the post must be received not later than 3rd April, 1939.

Royal Manchester Children's Hospital,

PENDLEBURY.

Applications are invited for the post of NON-RESIDENT ASSISTANT MEDICAL OFFICER at the OUT-PATIENTS' DEPARTMENT, Gartside-street, Manchester. Salary is at the rate of £150 per annum, and the appointment is for a period of six months as from 1st May, 1939. Candidates must be on the Medical Register.

Particulars of duties can be obtained from the Secretary. The hours of duty are from 9 A.M. till 1 P.M. or until the work of the Dispensary is finished. Patients' attendances number about 100,000 per annum.

Applications, stating age, and accompanied by copies of not more than three testimonials, to be sent to the undersigned not later than Saturday, 1st April.

Canvassing, directly or indirectly, may disqualify.

By order,
H. HEARDMAN, Secretary.

Tilbury Hospital, Essex (Seamen's

Hospital Society.) (92 Beds.)—HOUSE SURGEON (Male) required for six months as from the 1st April. Salary £140 per annum, with board, residence, and laundry.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

20th March, 1939.

County Borough of Bury.

ASSISTANT MEDICAL OFFICER OF HEALTH. (Male.)

The Corporation of Bury invite applications for the post of whole-time Assistant Medical Officer of Health.

Applicants, who must be not more than forty-five years of age, must have had at least three years' experience in their profession, and particularly experience in the diagnosis and treatment of venereal diseases, and they must also have had experience in maternity and child-welfare work, including the conduct of Infant Welfare and Ante-Natal Clinics.

The possession of a Diploma in Public Health is desirable.

The successful applicant must devote the whole of his time to the duties of his appointment. An opportunity will be given to acquire a knowledge of general Public Health work.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the officer appointed will be required to pass a medical examination.

The appointment will be terminable by three months' notice on either side.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700.

Applications, endorsed "Assistant Medical Officer of Health," and accompanied by copies of three recent testimonials, must be forwarded to the undersigned not later than Thursday, 6th April, 1939.

Canvassing in any form will disqualify.

RICHARD MOORE, Town Clerk.

Municipal Offices, Bank-street, Bury, 24th March, 1939.

Portsmouth and Southern Counties Eye
AND EAR HOSPITAL, Pembroke-road, PORTSMOUTH.

HOUSE SURGEON. (Male.)

Applications are invited from registered Medical Practitioners for the above post vacant on the 1st May. Salary £150 per annum, plus board and lodging.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, to be addressed to the Secretary not later than the 17th April, 1939.

Applicants should be single.

City of Manchester.

BAGULEY SANATORIUM. (333 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (grade 2) at the Baguley Sanatorium.

The salary for the appointment is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Box No. 399, Town Hall, Manchester, 2, by whom applications must be received not later than April 8th, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 21st March, 1939.

Bucks Mental Hospital, Stone,
AYLESBURY.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited from registered Medical Practitioners for the above-named appointment, which will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Salary £350 per annum, rising by annual increments of £25 to £450, with usual residential emoluments, including board, lodging, and laundry, valued at £100 per annum. Quarters for a married man are available, with suitable adjustment of emoluments.

Possession of the Diploma in Psychological Medicine will entitle the holder to an extra £50 per annum.

Applications, stating age and full particulars, accompanied by copies of not more than three recent testimonials, should reach the Medical Superintendent as soon as possible and in any case not later than 10 A.M. Wednesday, 5th April, 1939.

Royal Victoria Infirmary,
NEWCASTLE-UPON-TYNE.
(835 Beds.)

WHOLE-TIME JUNIOR SURGICAL REGISTRAR.

Applications are invited for the post of Whole-time Junior Surgical Registrar.

These appointments are intended for Graduates who desire to gain surgical experience and who have already held a post as House Surgeon. The post offers opportunity for post-graduate study.

The appointment, which will commence on 30th May, 1939, will in no case extend beyond three years, and will be for one year in the first instance, renewable for two further periods.

The rate of remuneration is £150 per annum.

Applications, with copies of not more than three recent testimonials, must be received on or before 22nd April, 1939, by the undersigned, from whom further particulars may be obtained.

S. DUNSTAN, House Governor and Secretary.

17th March, 1939.

Locum Tenens Assistant Medical Officer

required for a period of three to four months commencing 1st June, 1939. Salary one guinea per day, together with usual residential emoluments. Applications to be sent without delay to the Medical Superintendent, DURHAM COUNTY MENTAL HOSPITAL, Winterton, Sedgefield, Stockton-on-Tees

George Henry Lewes Studentship.

ANNUAL VALUE £250 (about).

The above Studentship will be vacant on October 2nd, 1939.

The Student is required to give his whole time to research work, except such as, in the opinion of the Trustees, does not interfere with his original inquiries. Candidates should send (*a*) a statement of their qualifications, and their need of pecuniary help, (*b*) the subject of their proposed research, (*c*) the name of one referee to Prof. Adrian, Department of Physiology, Cambridge, by July 15th, 1939. The Studentship is not limited to either sex, and the Student is expected normally to work in the Department of Physiology, Cambridge, though in exceptional conditions he may obtain permission to work elsewhere.

ASSISTANT PORT HEALTH OFFICER

Required by the Government of Iraq for the Basrah Port Directorate for a period of three years. Salary, Iraqi dinars 70 a month (I.D. equals £1). Free first-class passages and liberal leave on full salary. Candidates, preferably under thirty years of age, should possess the Diploma of Public Health or the Diploma of Tropical Medicine and Hygiene and have had Port Health experience.

Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/6602.

Royal National Hospital for
CONSUMPTION AND DISEASES OF THE CHEST, VENTNOR, ISLE OF WIGHT.

ASSISTANT RESIDENT MEDICAL OFFICER (Male), unmarried, for six months commencing 1st May, 1939. Salary at the rate of £250 per annum, with board, residence, and laundry allowance. The successful candidate will be eligible for reappointment for a further six months at a salary at the rate of £275 per annum with similar emoluments.

Candidates must be fully qualified in Medicine and Surgery, and previous experience in Tuberculosis and Bacteriological work will be an advantage. The appointment affords experience in Sanatorium and Surgical Treatment of Pulmonary Tuberculosis.

Applications in candidates' own handwriting, stating age, qualifications, and experience (with one copy of three recent testimonials), to be sent to the Medical Superintendent, Royal National Hospital for Consumption, Ventnor, Isle of Wight, not later than 8th April, 1939.

Royal Sussex County Hospital,
BRIGHTON.
(272 Beds. Six R.M.O.s.)

CASUALTY HOUSE SURGEON (Male) required early in May.

Salary £120 per annum, with board, residence, and laundry.

Candidates must hold Medical and Surgical qualifications of the British Empire, and be duly registered under the Medical Acts.

They must be unmarried, and when elected under thirty years of age.

Applications, with copies of recent testimonials, to be forwarded to the undersigned, not later than the 12th April, 1939.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

The Royal Albert Institution for the
FEEBLE-MINDED, LANCASTER.

Wanted, a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Male), registered, unmarried. Dental experience essential, and knowledge of refraction work an advantage. Commencing salary £375, if also qualified in Dentistry £425, with emoluments valued at £120 a year for superannuation purposes.

Applications, accompanied by copies of three recent testimonials and with two personal references, to the Medical Superintendent not later than Saturday, 15th April, 1939.

Preston and County of Lancaster
QUEEN VICTORIA ROYAL INFIRMARY.

Applications are invited for the post of HOUSE SURGEON to the EYE AND EAR, NOSE AND THROAT DEPARTMENTS under Ophthalmic and Aural Surgeons, six months' appointment. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, training, and qualifications, to be addressed to Mr. JOHN GIBSON, Superintendent and Secretary, Royal Infirmary, Preston.

North Riding of Yorkshire County

COUNCIL, COUNCIL OF THE BOROUGH OF THORNABY-ON-TEES AND COUNCIL OF THE RURAL DISTRICT OF STOKESLEY.

APPOINTMENT OF MEDICAL OFFICER OF HEALTH AND ASSISTANT TO THE COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified and registered Medical Practitioners holding the Diploma in Public Health, or its equivalent, for the above-named whole-time joint appointment.

Candidates must not be over the age of forty-five. Salary, £800 per annum, with travelling expenses when engaged on work outside the Borough. Office and clerical assistance for the duties of Medical Officer of Health will be provided by the Borough Council for the Borough and by the Rural District Council for the Rural District. The officer will be required to reside within the borough or at an approved place within easy reach thereof.

The appointment will be made in accordance with the Local Government Act, 1933, the Sanitary Officers (Outside London) Regulations, 1935, and the Local Government (Qualifications of Medical Officers and Health Visitors) Regulations, 1930. The Local Government Superannuation Act, 1937, will apply to the appointment.

In addition to the duties of Medical Officer of Health for the Borough of Thornaby-on-Tees (which is a Maternity and Child Welfare Authority) and the Rural District of Stokesley, the Officer will be required to carry out such duties as may from time to time be required of him by the County Council; such duties will be discharged under the direction of the County Medical Officer of Health, and will include School Medical inspection.

Applications, on forms obtainable from the undersigned, must be received by him, with copies of not more than three recent testimonials, not later than NOON on Monday, 3rd April, 1939.

Canvassing in any form will be a disqualification.

J. R. CARR, Town Clerk.

Town Hall, Thornaby-on-Tees, 16th March, 1939.

County Council of the West Riding of

YORKSHIRE.

DONCASTER COUNTY BOROUGH COUNCIL.

CONSULTANT OBSTETRICIAN AND GYNÆCOLOGIST.

Applications are invited from duly qualified Medical Men with special experience in Obstetrics and Gynæcology for the appointment of Consultant Obstetrician and Gynæcologist under the above-named Councils.

The officer appointed will be required to undertake all consulting work when called in by general Medical Practitioners, work at ante-natal clinics, and at certain hospitals. He will be permitted to engage in private consulting practice.

The inclusive honorarium will be £775 per annum.

Particulars of the duties and conditions of the appointment and forms of application may be obtained from Sir Charles McGrath, Clerk of the County Council, County Hall, Wakefield, to whom applications, on the prescribed form, together with copies of not more than three recent testimonials, should be delivered not later than the 3rd April 1939.

J. CHARLES MCGRATH,
Clerk of the West Riding County Council.
H. S. ESSENHIGH, Town Clerk, Doncaster.

7th March, 1939.

County Borough of Southend-on-Sea.

SOUTHEND MUNICIPAL HOSPITAL.

The Health Committee of the Town Council invite applications for the appointment of an ASSISTANT MEDICAL OFFICER (Male, Grade II) at their Municipal Hospital situated at Rochford, Essex (Beds 475). Salary £325 per annum, with full residential emoluments valued for superannuation purposes at £100 per annum.

The duration of appointment is limited to one year. Applicants must have had previous experience in the administration of Anæsthetics.

Applications, on forms to be obtained from the Medical Superintendent, Southend Municipal Hospital, Rochford, Essex, should be returned to him on or before Wednesday, April 5th, 1939.

H. J. WORWOOD.

Town Clerk's Office, Southend-on-Sea.

Hospital Convalescent Home,

PARKWOOD, SWANLEY, KENT. (For the reception of patients (women and children) in an early stage of convalescence from the London Hospitals. 120 Beds.)

The trustees of the Home invite applications for the post of Lady RESIDENT MEDICAL OFFICER which will become vacant on 6th May, 1939. The appointment is for a period of six months. Salary £200 per annum, with quarters, and full board. Candidates should have had recent hospital experience.

Applications, stating age, qualifications, and full details of experience, should be accompanied by copies of three recent testimonials, and addressed to C. M. POWER, Esq., Secretary, Hospital Convalescent Home, c/o Westminster Hospital, London, S.W.1, on or before Saturday, April 1st, 1939.

Exeter City Mental Hospital.

The Visiting Committee invite applications for the appointment of ASSISTANT MEDICAL OFFICER (Male) at a salary of £400 per annum, rising by annual increments of £25 to £500 per annum, with furnished apartments, board, attendance, and laundry, valued at £150 per annum; £50 per annum will be paid in addition if the successful candidate has a Diploma in Psychological Medicine, or when he obtains the same. The appointment is subject to deductions under the Asylum Officers' Superannuation Act. Post-graduate experience in a General Hospital desirable. Opportunity for research and study.

Forms of application and further particulars may be obtained from my office, 10, Southernhay West, Exeter.

Application, endorsed "Assistant Medical Officer," together with copies of not more than three recent testimonials, must reach me not later than the first post on Friday, March 31st, 1939.

C. J. NEWMAN,
Town Clerk and Clerk to the Visiting Committee.

Leicester Royal Infirmary.

HONORARY ASSISTANT SURGEON.

The Board invite applications for the post of an Honorary Assistant Surgeon. Candidates must be Fellows or Members by examination of the Royal College of Surgeons of England or Graduates in Surgery of one of the Universities of the United Kingdom or Ireland.

One Hundred Guineas annually is granted by the Board for out-of-pocket expenses.

Applications, accompanied by 100 copies of recent testimonials, to reach the undersigned by first post on Friday, April 14th. Candidates will be asked to interview the Board on Wednesday, April 19th, when the election will take place.

Canvassing is not allowed.

H. T. PLOWMAN, House Governor and Secretary.

March 6th, 1939.

Leicester Royal Infirmary.

RADIO THERAPEUTIST.

The post of Radio Therapeutist has been created, and the Board of Governors invite applications.

The Hospital is recognised by the Radium Committee as a Regional Centre and possesses 622 mgms. of Radium.

Treatment plant includes 3/200 K.V. Deep Therapy tubes and 1 contact therapy apparatus.

The position is a whole-time one (non-resident), with a salary of £500 per annum, and in addition a percentage of fees received from private cases treated at the Infirmary.

Applications should be addressed to the House Governor and Secretary on or before 29th March.

6th March, 1939.

City of Bradford.

Applications are invited for the post of ASSISTANT SCHOOL MEDICAL OFFICER.

Salary £500 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700 per annum.

The salary is subject to a deduction under the Local Government Superannuation Act, 1937, and the person appointed will be required to pass a medical examination.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 1st April, 1939, endorsed "Assistant School Medical Officer."

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 11th March, 1939.

City of Bradford.

MUNICIPAL GENERAL HOSPITAL, ST. LUKE'S.

Applications are invited for the post of MEDICAL SUPERINTENDENT. Salary £1100 per annum, including emoluments valued at £130 per annum.

The salary is subject to a deduction under the Local Government and Other Officers' Superannuation Act, and the person appointed will be required to pass a medical examination.

Form of application may be obtained from the Medical Officer of Health, Town Hall, Bradford, and should be returned to the undersigned not later than the 1st April, 1939.

N. L. FLEMING, Town Clerk.

Town Hall, Bradford, 11th March, 1939.

North Staffordshire Royal Infirmary,

STOKE-ON-TRENT.
400 Beds.

HOUSE SURGEON TO ORTHOPÆDIC DEPARTMENT.

The Committee invites applications for the above post (Male) tenable for six months and renewable.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Previous hospital surgical experience essential, and Orthopædic experience desirable.

Applications, stating age, qualifications, and experience with copies of two recent testimonials, to be sent to the undersigned immediately.

THORNBURROW GIBSON, Secretary and House Governor.

10th March, 1939.

Wonford House Registered Hospital,
EXETER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Male, single) at a commencing salary of £350 per annum, increasing by annual increments of £30 to £500 per annum, together with board, lodging, and laundry. An additional £50 per annum will be paid for the possession of the Diploma in Psychological Medicine. Previous mental hospital experience is desirable.

Applications, stating age, nationality and accompanied by copies of three recent testimonials, should be sent to the Medical Superintendent not later than 12th April, 1939.

County Borough of Newport.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH (Male).

Applications are invited for the post of Assistant Medical Officer of Health (Male) at a commencing salary of £600 per annum, rising by annual increments of £25 to a maximum of £750 per annum.

Candidates must be under forty years of age, registered Medical Practitioners, and must possess a Diploma in Public Health or an equivalent qualification.

The person to be appointed must have had special experience in Infectious Diseases (as he will be required to take charge of the Infectious Diseases Hospital) and also in Public Health work including Maternity and Child Welfare and School Medical work, and Bacteriology.

The successful candidate will be required to devote the whole of his time to the duties of the office and to perform such work as may be entrusted to him by the Medical Officer of Health. He will also be required to pass a medical examination as to physical fitness, and to contribute to the Council's Superannuation Fund.

Applications, to be made on forms obtainable at this office and accompanied by copies of three recent testimonials, must reach the Medical Officer of Health, Royal Chambers, High-street, Newport, Mon., not later than Saturday, April 15th, 1939.

County Borough of Burnley.

ASSISTANT MEDICAL OFFICER (Female).

Applications are invited from duly qualified and registered Medical Practitioners (Female), not exceeding forty years of age, for the appointment of Assistant Medical Officer of Health. The duties will be mainly those connected with Maternity and Child Welfare and the Council's Maternity Hospital.

The salary will be £500 per annum, rising, subject to satisfactory service, by £25 per annum, to a maximum of £700 per annum, less a deduction of £125 per annum for board, lodging, and laundry.

The successful candidate will be required to devote whole-time to the service of the Council and to reside in the quarters provided.

The appointment will be subject to the provisions of the Local Government Act, 1937, and the successful candidate will be required to pass a Medical Examination.

Further particulars of duties, conditions of appointment, and forms of application may be obtained from the Medical Officer of Health, 27, St. James'-street, Burnley, to whom applications, together with copies of three recent testimonials, should be sent not later than 10th April, 1939.

Canvassing, either directly or indirectly, will be a disqualification.

HARRY PLOWMAN, Town Clerk.

Town Hall, Burnley, 20th March, 1939.

Lindsey County Council.

GRIMSBY COUNTY BOROUGH COUNCIL.

The above local authorities are proceeding to make a joint appointment of an Obstetric and Gynæcological Consultant. The joint salary offered will be £700 per annum, subject to the provisions of the Local Government Superannuation Act, 1937.

The candidate will be required to hold a special post-graduate qualification in obstetrics, to reside in either Grimsby or Cleethorpes, and will be allowed private consultant practice in obstetrics and gynæcology only.

Further details of the conditions of the appointment may be obtained from the County Medical Officer of Health, Public Health Department, County Offices, Lincoln. Applications for this appointment are to be submitted not later than 8th April, 1939, to the Clerk of the Lindsey County Council, County Offices, Lincoln.

ERIC W. SCORER,
Clerk of the Lindsey County Council.
L. W. HEELER,
Town Clerk, County Borough of Grimsby.

Royal Surrey County Hospital,
GUILDFORD. (216 Beds.)

Wanted, 1st May, 1939: HOUSE PHYSICIAN AND CASUALTY OFFICER (Male). Six months' appointment: recognised for M.D. examination. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than first post on Friday, 7th April.

City and Port of Plymouth.

ASSISTANT MEDICAL OFFICER OF HEALTH.

Applications are invited from duly qualified Medical Men for the post of Assistant Medical Officer of Health to the City and Port of Plymouth.

Applicants should not be more than thirty-five years of age, and must possess a Diploma in Public Health, or a qualification in State Medicine, or a Diploma in Tropical Medicine.

The person appointed will be required to act as Boarding Medical Officer at the Port and he will also assist in the General Public Health work of the City. Preference will be given to applicants having experience in Tuberculosis and Venereal Diseases. The successful applicant will be required to act under the general supervision of the Medical Officer of Health, and to carry out any duties delegated to him from time to time.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum.

The appointment is whole-time and the person appointed will be required to refund to the Council any fees received by him in respect of any work, where such work is undertaken by virtue of his office or is in consequence of his being a medical officer of the Corporation.

The post will be subject to the provisions of the Local Government Superannuation Act, and will be terminable by two months' notice on either side.

The person appointed will be required to pass a medical examination.

Forms of application may be obtained from the undersigned and should be returned, together with copies of not more than three recent testimonials, on or before Monday 3rd April, 1939.

Envelopes must be endorsed "Assistant Medical Officer of Health."

T. PEIRSON,
Medical Officer of Health, City and Port of Plymouth.
Town Hall, Stonehouse, Plymouth, 16th March, 1939.

Hertfordshire County Council.
PUBLIC ASSISTANCE.

COUNTY INSTITUTION, OSTER HOUSE, ST. ALBANS.

HOUSE SURGEON.

Applications are invited for the post of House Surgeon, single (either sex) at the above Institution, which comprises general Medical and Surgical wards with separate Maternity and Children's Units.

Salary will be at the rate of £175 per annum with furnished quarters, rations, laundry, and attendance The appointment will be limited to one year and not renewable.

Candidates must be duly qualified and registered. Applications, stating age, qualifications, and experience, with copies of not more than three recent testimonials, should be sent, to the Clerk of the St. Albans Guardians' Committee, Oster House, St. Albans (from whom any further details may be obtained) as soon as possible.

ELTON LONGMORE, Clerk of the County Council.

Hertford, Herts, 24th March, 1939.

Oldham Royal Infirmary.
(183 Beds. 4 House Surgeons.)

SENIOR HOUSE SURGEON required for a period of six months, to take charge of the Casualty Department and to work under the Orthopædic Surgeon. At the Fracture Clinic there is an average attendance of 150/170 cases per week. Previous Hospital experience essential.

Salary £250 to £300 per annum, according to qualifications and experience, with board, residence, and laundry.

Applications, stating age, experience, and qualifications, together with copies of three recent testimonials, to be forwarded to the undersigned.

Position falls vacant on the 6th April.

THOS. H. ODDY, Secretary-Accountant.

County Borough of Swansea.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified Medical Men for the post of Assistant Medical Officer of Health and Assistant School Medical Officer. The person appointed will be required to devote his whole time to the duties of medical inspection of school-children, infant welfare, administration of anæsthetics, and such other duty as may be allotted by the Medical Officer of Health.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to a medical examination.

Copies of application form and further particulars can be obtained from the Medical Officer of Health, Guildhall, Swansea, to whom application, accompanied by copies of not more than three recent testimonials, should be delivered not later than April 12th, 1939.

Essex County Hospital, Colchester.
(174 Beds.)

Wanted at once an ASSISTANT HOUSE SURGEON (Male). Salary £120 per annum, with board, washing, and residence.

Applications, with three recent testimonials, to be sent by Thursday, the 30th March to THE SECRETARY.

County Borough of West Bromwich.

HALLAM HOSPITAL. (472 Beds.)

ASSISTANT MEDICAL OFFICERS (TWO).

Applications are invited from duly qualified (unmarried) Male registered Practitioners for the above appointments.

Salary £200, together with usual resident emoluments. The appointments are for six months and renewable for a further six months but can be terminated by either party giving six weeks' notice.

All fees received by the persons appointed will be payable into the funds of the Council.

Applications, stating age, experience and qualifications, together with copies of three recent testimonials, must be forwarded to the Medical Officer of Health, 2, Lodge-road, West Bromwich, so as to arrive not later than by first post on Wednesday, March 29th, 1939.

G. F. DARLOW, Town Clerk.

Town Hall, West Bromwich, 9th March, 1939.

Hull Royal Infirmary.

Applications are invited from registered Medical Practitioners for the post of SECOND HOUSE SURGEON (Male) vacant April 24th. Salary at the rate of £150 per annum, plus residence, board, and laundry.

The Hospital is recognised for the F.R.C.S. examinations and the post now advertised is also approved by the University of London for the M.S. Branch 1 (Surgery) Examination.

The appointment will be for a period of six months, but will be determinable at any time by one month's notice on either side.

Applications, stating age, experience, and nationality, together with copies of recent testimonials, should be addressed to the undersigned.

R. J. CARLESS, House Governor.

13th March, 1939.

Bedford County Hospital.

Wanted One SENIOR HOUSE SURGEON and One CASUALTY OFFICER to take over their duties on April 1st for a term of not less than six months. They must be Male, unmarried, and fully qualified. Salary £150 per annum, with board, lodging, and laundry.

Applications, stating age, nationality, and qualifications, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

The Royal Infirmary, Bradford.

Two HOUSE PHYSICIANS (Male) and five HOUSE SURGEONS (Male) wanted for 1st May. Six months' appointments. Candidates must be single and legally qualified. Salary £150 per annum, with board, residence, and washing.

There are 345 beds and 10 Resident Officers.

Applications, stating age, qualifications, and previous experience, with copies of recent testimonials, should be sent to the undersigned by 31st March.

H. TRUSSON, House Governor and Secretary.

9th March, 1939.

Southend-on-Sea General Hospital.

Applications are invited for the post of
RESIDENT OBSTETRIC OFFICER. (Male.)

The appointment is for six months from about 15th April next. Salary £100 per annum, with board, &c.

Candidates must be duly qualified and registered, and preference will be given to those who have held a resident obstetric appointment.

This Hospital is recognised by the Royal College of Obstetrics and Gynæcology for its Examinations.

Applications, with copies of two recent testimonials, should be sent to the undersigned by 31st March, 1939.

P. H. CONSTABLE, Secretary.

Manchester Northern Hospital

(General Hospital. 113 Beds.),
Cheetham Hill-road, MANCHESTER, 8.

Applications are invited for the post of RESIDENT SURGICAL OFFICER. Salary £200 per annum, with board and residence. The appointment is for six months, to commence duty on 1st April next.

Applications, stating age, qualifications, and nationality, with copies of not less than three recent testimonials, to be sent to the Secretary, Mr. JAMES C. DANIELS, 38, Barton-arcade, Manchester, 3, as soon as possible.

Swansea General and Eye Hospital.

(336 Beds.)

CASUALTY OFFICER required. Gentleman. Single. Salary £150 to £175 per annum, according to experience, together with board, residence, and laundry. Appointment for six months to commence on or about 17th April.

Applications, stating age, nationality, qualifications, and experience, together with copies of three recent testimonials, to be forwarded to the undersigned.

O. C. HOWELLS, Secretary-Superintendent.

City and County of Newcastle-upon-Tyne.

APPOINTMENT OF MATERNITY OFFICER.

Applications are invited from registered Medical Practitioners, with suitable qualifications and experience, for the full-time, non-resident post of Maternity Officer. The person appointed will exercise a general supervision over the Corporation's Maternity Scheme and the Municipal Midwives Services, and will be in clinical charge of the new Maternity Unit (thirty beds) at the Newcastle General Hospital. Further particulars as to the duties appertaining to the post and form of application will be furnished on request.

Salary £800 per annum, rising by annual increments of £50 to £1000. The Maternity Officer will also receive certain teaching fees. The post is pensionable under the Local Government Superannuation Act, 1937.

Applications which must be on the prescribed form and accompanied by copies of two testimonials and the names of two referees, should be forwarded to the Medical Officer of Health, Health Department, Town Hall, Newcastle-upon-Tyne, 1, not later than Wednesday, 12th April, 1939.

Croydon General Hospital.

Applications are invited from qualified and registered Medical Men for the post of CASUALTY HOUSE SURGEON. Salary £125 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, accompanied by copies (which will not be returned) of three testimonials, to reach the undersigned not later than Friday, March 31st.

GEORGE H. DAMS, House Governor and Secretary.

20th March, 1939.

Grosvenor Sanatorium, Ashford, Kent.

(236 Beds. 4 Resident Medical Officers.)

Applications are invited from fully qualified men for the following appointments:—

1. SECOND ASSISTANT RESIDENT MEDICAL OFFICER. Salary £250 per annum, with board, lodging, and laundry. Previous experience of tuberculosis preferred.

2. RESIDENT HOUSE PHYSICIAN. The appointment is for a period of at least six months at a salary of £100 per annum, with board, lodging, and laundry. Previous experience not necessary.

Applications, stating age, qualifications, nationality and accompanied by copies of recent testimonials, to be sent to the Medical Superintendent.

City of Portsmouth.

SAINT MARY'S HOSPITAL. (1050 Beds.)

Applications are invited for the appointment of a JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER. Applicants must be single gentlemen, duly qualified and registered, not exceeding thirty years and must have had at least one year's experience of hospital work. Experience in anæsthetics will be an additional qualification. The appointment is limited to a term of one year and the salary will be £250 per annum, with residential emoluments valued at £125 per annum. The appointment includes service at any institution belonging to the City Council and will be subject to termination by one month's notice on either side. A resident Medical Superintendent is in attendance.

Application forms may be obtained from and must be returned to the Medical Officer of Health, The Guildhall, Portsmouth, not later than Monday, 10th April, 1939.

Canvassing will be a disqualification.

F. J. SPARKS, Town Clerk.

The Guildhall, Portsmouth, 20th March, 1939.

Manchester Royal Infirmary.

HOUSE SURGEON—AURAL, GYNÆCOLOGICAL AND OPHTHALMIC DEPARTMENTS.

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment, vacant on 15th May, 1939. Applicants must hold a Medical and Surgical qualification and be registered.

The appointment is for six months, subject to the by-laws as to notice, &c. Salary at the rate of £50 per annum, with board-residence, and allowance for laundry.

Applications, stating age, to be sent to the Chairman of the Medical Board not later than 12th April, 1939.

By Order,
F. J. CABLE, General Supt. and Secretary.

Manchester Royal Infirmary.

HOUSE SURGEON—ORTHOPÆDIC DEPARTMENT

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment which becomes vacant on 26th April, 1939.

Applicants must be registered and hold a Medical and Surgical qualification.

The appointment is for six months, subject to the provisions of the by-laws as to notice, &c. Salary at the rate of £50 per annum, with board-residence, and allowance for laundry.

Applications, stating age, to be sent to the Chairman of the Medical Board not later than 12th April, 1939.

By Order,
F. J. CABLE, General Supt. and Secretary.

March, 1939.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

TEMPORARY MEDICAL OFFICERS.

Three temporary Women Medical Officers are required for periods of two, three, and four months, covering the following periods:—

May 31st to October 3rd.
July 7th to October 3rd.
August 9th to October 3rd.

The work includes attendance at ante natal and children's clinics.

Applicants should have had considerable experience in work with mothers and children, including a six months' resident post in a maternity hospital and in a children's hospital. The salary offered is £10 per week.

The persons appointed cannot terminate their respective appointments within the period named except for health reasons.

Applications, endorsed "Temporary Medical Officer for Maternity and Child Welfare," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham, 3, and returned to him on or before April 6th.

Middlesex County Council.

REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX.

Resident CASUALTY MEDICAL OFFICER, registered Medical Practitioner, with considerable all-round experience and as House Physician and House Surgeon in general hospital. Whole-time duties under supervision of Medical Superintendent include dealing with casualties and admissions to hospital. Salary £350 per annum, with board, lodging, and laundry.*

Resident JUNIOR ASSISTANT MEDICAL OFFICERS (two), registered Medical Practitioners having held resident appointments in general hospital. Whole-time duties under supervision of Medical Superintendent. Salary £250 per annum, with board, lodging, and laundry.*

*Appointment, subject to medical examination and one month's notice, is primarily for six months, but may be extended for a further six months. Preservation of pension rights under certain Acts.

Written applications, stating age, qualifications, and experience with copies of not more than three recent testimonials, to the undersigned by 1st April, 1939.

Canvassing, direct or indirect, disqualifies.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Typewriting.—Specialists in Typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson, Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

Lady, young, capable and reliable, 5 years' commercial experience, would like RECEPTIONIST-SECRETARY post. Knowledge bookkeeping, typing, first-aid.—Address, No. 578, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

The National University of Ireland APPOINTMENTS COMMITTEE can recommend suitably qualified Medical Graduates as Locum Tenentes or Assistants. Medical practitioners who require such services should apply, stating all particulars to the Secretary, Appointments Committee, N.U.I., 86, St. Stephen's Green, Dublin. Telephone Dublin 51793.

Assistant required with a view to Partnership in a Radiological Practice in South Africa. Commencing salary £1200 to £1500 according to experience, but may be increased for exceptional qualifications.—Address, No. 569, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London, W.12.—Practice for Sale, £600 per annum cash. 600 panel, fees, 2s. to 5s. Scope. Price £1000. No agents.—Address, No. 571, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London.—Cora Hotel. Upper Woburn-place, near B.M.A Headquarters. Accommodates 235 visitors. Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

Several Good Secondhand Microscopes and Objectives, by Ross, Zeiss, Watson, &c., to be cleared at very low prices. Details on application.—City Sale and Exchange (1929), Ltd., 93–4, Fleet-street, E.C.4.

NO. 440,530 PROCESS FOR THE MANUFACTURE OF A GONADOTROPIC HORMONE.

The owner of the above patent is desirous of arranging by licence or otherwise on reasonable terms for the manufacture and commercial development of the invention. For particulars address in the first instance to HERBERT HADDAN & Co., 31 and 32, Bedford-street, Strand, London, W.C.2.

Professional Name Plates, engraved in Bronze and Stainless Steel (No cleaning required). Illustrated leaflets post free. Send words for full size proof.—Maile & Son, Ltd., 367, Euston-road, N.W.1. 'Phone Euston 2938.

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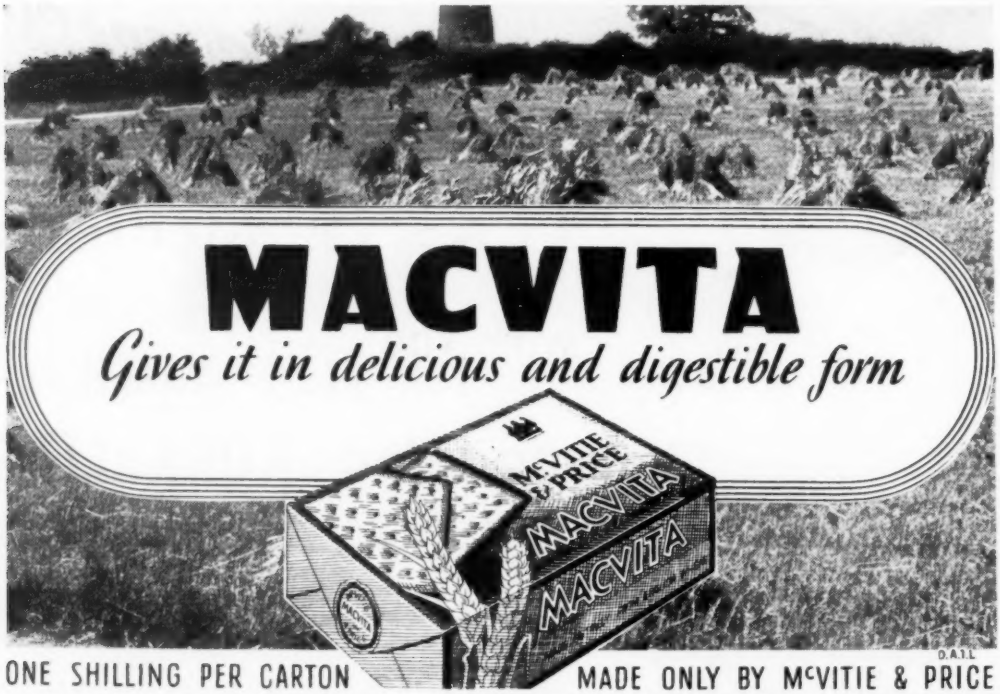

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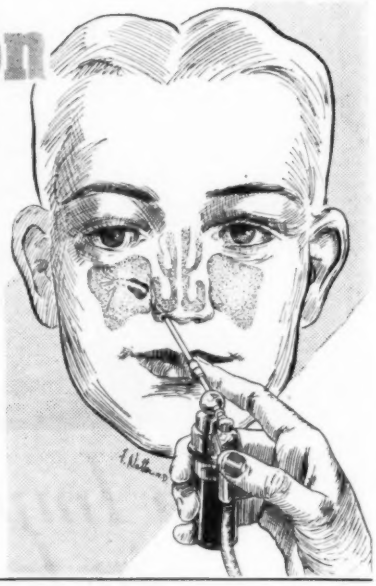

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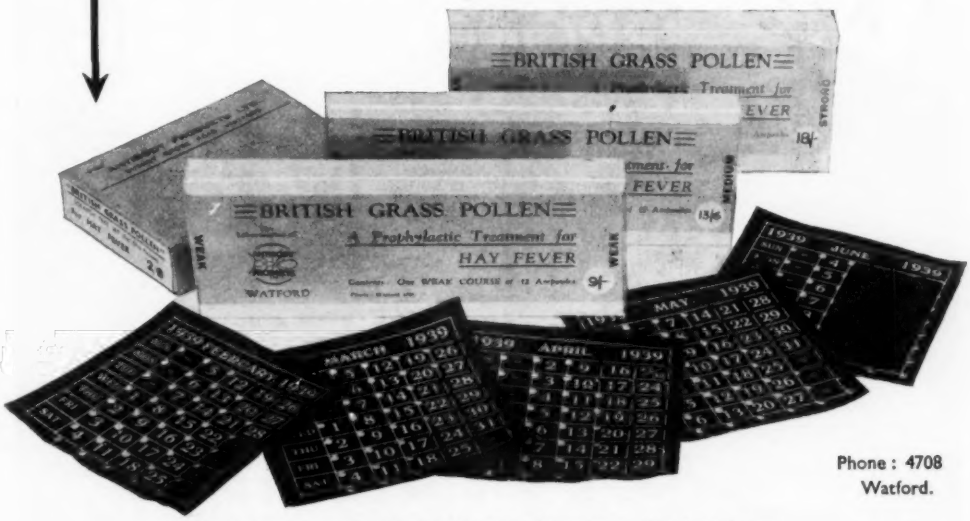

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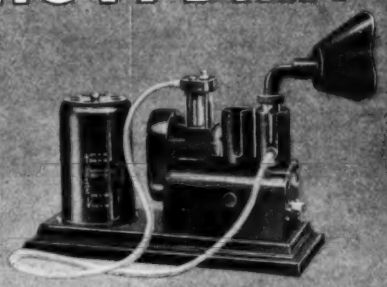

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Laboratories & Works: King's Langley, Herts.

Osiris in his shrine. Osiris was the god who made men and women to be born again. Who made them rise from the dead and bestowed upon them everlasting life.

M 284

A range of new purées

Uniformity and high nutritive qualities now available for general prescription

★

PROTEIN	4·8
CARBOHYDRATES	8·8
CALCIUM	0·012
PHOSPHORUS	0·083
IRON	0·0016
VITAMIN A.	GOOD
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CALORIES PER OZ.	17·0

PEAS

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

Vegetable and fruit purées, rich in mineral salts, vitamins and other soluble nutriment, constitute the perfect diet for infants and cases of nutritional anaemia.

But despite the wide approval shown by physicians, and a growing appreciation of this dietary by mothers, progress has hitherto been slow, owing to the practical difficulties encountered in home preparation.

The use of vegetables not truly fresh, mechanical losses through oxidation when boiling, and inefficient sieving out of the harsh fibres, inevitably impair the quality of the home-produced preparation.

Now, with the marketing of a range of strained foods by H. J. Heinz Co. Ltd., vegetable and fruit purées containing all necessary dietetic values are available in convenient bulk and form.

Heinz Strained Foods are prepared with all the advantages of the best factory method. The vegetables are specially grown in those areas where soil and climate combine to produce the best; they are harvested when they are just right, and cooked within a few hours of being garnered.

First, the ingredients are scrupulously cleaned. Cooking by light steam pressure in vacuum containers follows, leaving the contents perfectly disposed for comminution by extrusion, and at the same time ensuring retention of the essential juices and mineral constituents. Fine sieving having removed all fibres of a harsh or irritant nature, the purée is then adjusted to an acceptable consistency and sealed in vacuo, the sealed containers being immediately subjected to sterilization under constant conditions of time and temperature.

The purées thus offered are uniform, convenient and of the highest possible nutritive content.

NOTE: *Glass containers are not used owing to the deleterious effect of light on the value and palatability of the purées.*

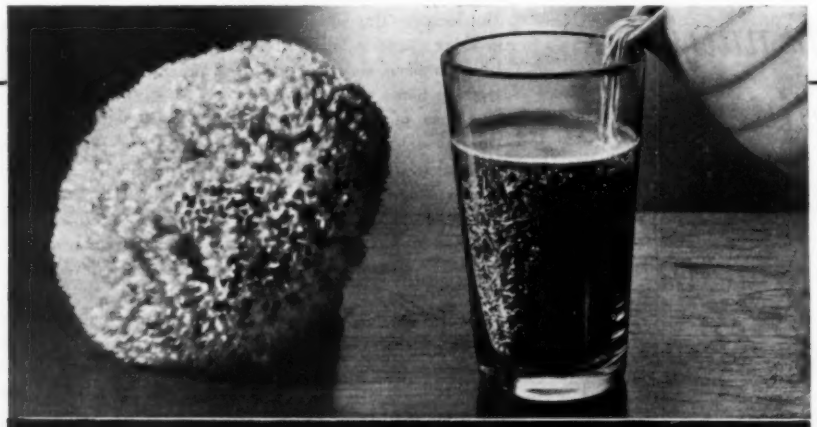
HEINZ
STRAINED FOODS

SPINACH
TOMATOES
CARROTS
VEGETABLE SOUP
PEAS
GREEN BEANS
MIXED GREENS
BEETS
PRUNES
CEREAL
APRICOTS AND APPLE SAUCE
BEEF & LIVER SOUP

★ ***Fully explanatory literature and samples gladly sent on request.***

H. J. HEINZ COMPANY LIMITED, HARLESDEN, LONDON, N.W.10

THE ADVANTAGES OF KELLOGG'S ALL-BRAN IN THE TREATMENT OF COMMON CONSTIPATION



ALL-BRAN is not unlike a sponge in its absorbency and softness and to some extent also the effect of All-Bran on the intestines resembles the cleansing action of a water-softened sponge.

The amazing softness and absorbency of All-Bran is strikingly shown when a small quantity is dropped into a tumbler and water added. It will at once be seen how readily All-Bran takes up the water, forming a large smooth mass.

IN cases of common constipation where it is advisable to increase the intake of "bulk" in the diet, clinical tests show that bran in the appetising form of Kellogg's All-Bran gives the most favourable results.

As a laxative food All-Bran has these advantages:

1. The "bulk" in All-Bran is absolutely non-irritant. It is more effective than the "bulk" matter of fruit and vegetables because it is less readily broken down.
2. The continued use of All-Bran does not reduce its laxative effect.
3. All-Bran is a much richer source of Vitamin B1★ than most of our common foods. It is also rich in iron.
4. All-Bran is a *food* rather than a medicine, and in consequence has a helpful "psychological" effect. Patients appreciate the fact that it is a pleasant "natural" treatment which need not interfere with their normal mode of life.

In all cases where an increase in the amount of "bulk" in the diet is indicated, Kellogg's All-Bran may be prescribed with advantage. As it passes through the intestines All-Bran absorbs water and softens like a sponge, and this water-softened mass gently but effectively cleanses the intestines. Eaten regularly, All-Bran promotes thorough evacuation of the bowel contents without a strain on the internal organs.

All-Bran may be served as a cereal with milk or cream, or cooked into appetising scones, bread, etc. It may also be taken with other cereals or sprinkled over salads and other foods. To assure maximum effectiveness, plenty of fluids should be taken, preferably between meals. All-Bran is obtainable from all reliable grocers. A packet will be sent free on request to any qualified practitioner. Inquiries should be addressed to: Kellogg Company of Great Britain Ltd., Stretford, Manchester.

★ *Two tablespoonfuls (22 grammes) of All-Bran contain about as much Vitamin B1 as 2 tomatoes (99 grammes) or a large serving of lettuce (92 grammes). Laboratory Handbook for Dietetics, Mary Swartz Rose.*

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Milk signed by Nestlé's is milk of unvarying excellence, selected and prepared under the most exacting conditions of modern hygiene, guaranteed by stringent tests to be of absolute purity. Nestlé's Milk is rich, full cream milk from the choicest herds and pastures in England, with all its vitamins conserved. Only pure cane sugar is added — itself a concentrated and easily assimilated food.

Nestlé's is many times more digestible than ordinary milk — the heavy, irregular curd of fresh milk being broken down by the Nestlé process into a fine, flaky suspension, which cannot irritate even the most delicate digestion. Because Nestlé's Milk is so easy to assimilate it nourishes when other milk cannot be taken. It is a splendid builder of straight, strong bones.

Hundreds of ailing and backward babies have been given sturdy, vigorous health by the advice of nurse or doctor to try Nestlé's.

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Volpar is the only contraceptive which is the direct outcome of ten years of continuous research in a University Laboratory, during five years of which there was complete co-operation with the medical men, physiologists, pharmacologists, bacteriologists, chemists, pharmacists and other trained scientists who constitute the staff of a highly organised industrial technical laboratory.

Volpar contains the most spermicidal non-toxic substance known

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A full size specimen packing will be sent to any physician on request

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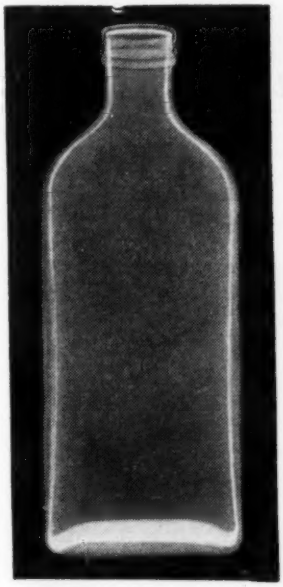
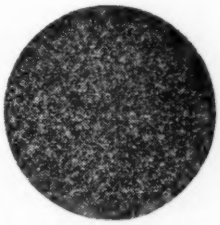


X-ray reveals uniform density of Agarol.

. . . Agarol has had a physical examination

THE x-ray says: "Look for uniform density throughout as evidence of soundness". Agarol brand Compound *is* a thoroughly uniform emulsion that acts the same way with every dose.

The microscope says: "Look for the small uniform oil globules" as a sign of thorough emulsification of Agarol. It means stability, freedom from oiliness, ready miscibility with water, milk, fruit juices or any other liquid.



The microscope shows extremely fine division of oil in Agarol.

The pharmacist says: "If it pours freely, it is the sign of a good emulsion." Agarol is a good mineral oil emulsion that has thoroughly proved its value in the relief of acute constipation and in the treatment of habitual constipation.

Descriptive literature and a liberal supply of Agarol supplied gratis to Members of the Medical Profession on request.

Agarol is not advertised to the public

Agarol brand Compound is available 4½, 7½ and 17 ounce bottles.
The average adult dose is one tablespoonful.

WILLIAM R. WARNER & Co., Ltd., Power Road, Chiswick, London, W.4

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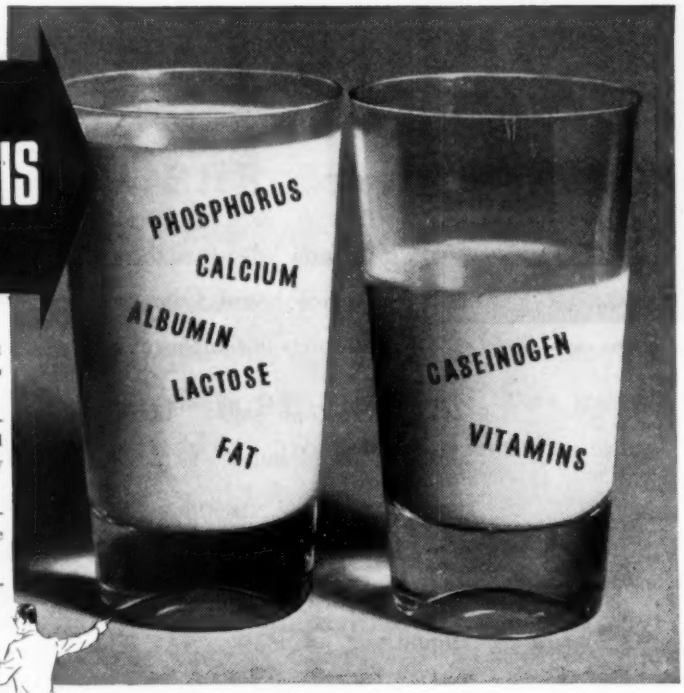
THE GLASS AND A HALF

HE FINDS THIS



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VITAMINS: Science has proved the value of plentiful vitamins for health, and milk contains Vitamins A, B and D.

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Literature on application to—

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Used with considerable success in the various **stomachic complaints of young children.**

Supplied "Sine Opio" when desired.

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BRAND
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IN BOTTLES OF 25 and 100

Containing crystalline vitamin B_1 and other components of the vitamin B complex . . .

Each 'Dibexin' Capsule contains 1 mgm. (333 International units) of crystalline vitamin B_1 with 40 Sherman units of riboflavin, together with other members of the vitamin B complex, including vitamins B_3, B_4, B_5, B_6 and nicotinic acid, derived from liver. 'Dibexin' Capsules are, therefore, especially well adapted for prophylaxis against general vitamin B deficiency.

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Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability Ltd.*

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An antitoxin of broad valency
for severe and toxic hæmolytic streptococcic infections

HÆMOLYTIC STREPTOCOCCUS ANTITOXIN

GLOBULIN *Lederle* MODIFIED

PHYSICIANS not infrequently encounter acute hæmolytic streptococcus infections not accompanied by clinical manifestations that establish the specific nature of the hæmolytic streptococcus concerned.

This may be true of:—

acute hæmolytic streptococcic angina
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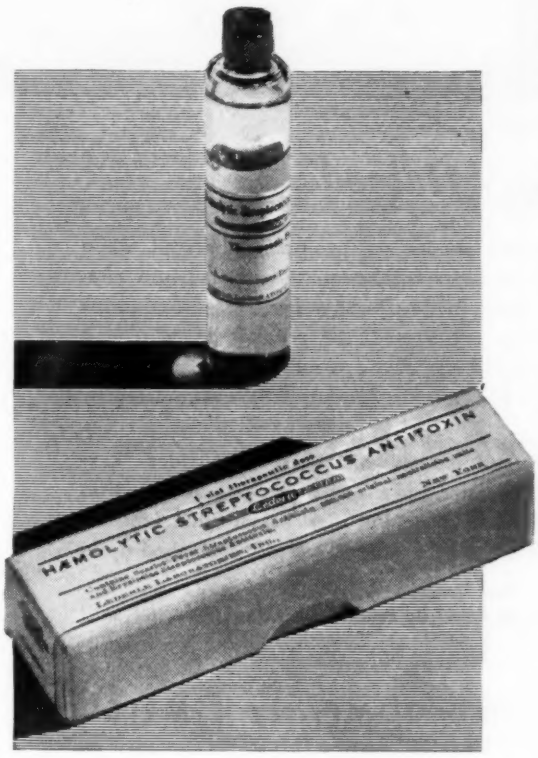
streptococcic pneumonias, etc.



In order to provide an antitoxin for serum therapy in such doubtful types of hæmolytic streptococcus infections. *Lederle* has prepared a combined streptococcus antitoxin of broad valency. For infections definitely diagnosed as scarlet fever or erysipelas, the antitoxin specifically prepared for each of these infections is recommended.

"Hæmolytic Streptococcus Antitoxin *Lederle*" is "Globulin-Modified," assuring a high measure of potency together with a decidedly lower property of inducing serum disease.

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The distinctive reddish-brown colour of 'Pulvules' 'Lextron' identifies the product, and a further mark of identification is afforded by the trade mark 'Pulvules' brand filled capsules on the upper half of each capsule. Literature furnished upon request.

Supplied through the drug trade in bottles of 42, 84, and 500 capsules.

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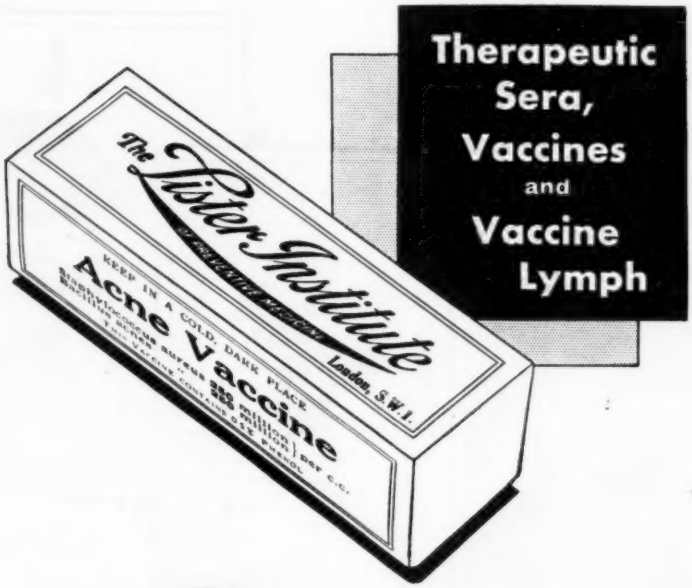

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OF PREVENTIVE MEDICINE

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B. acnes:	10 "	20 "	125 "	250 "	250 "	

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*Also in 10 c.c. rubber-capped vials at 15/- each.

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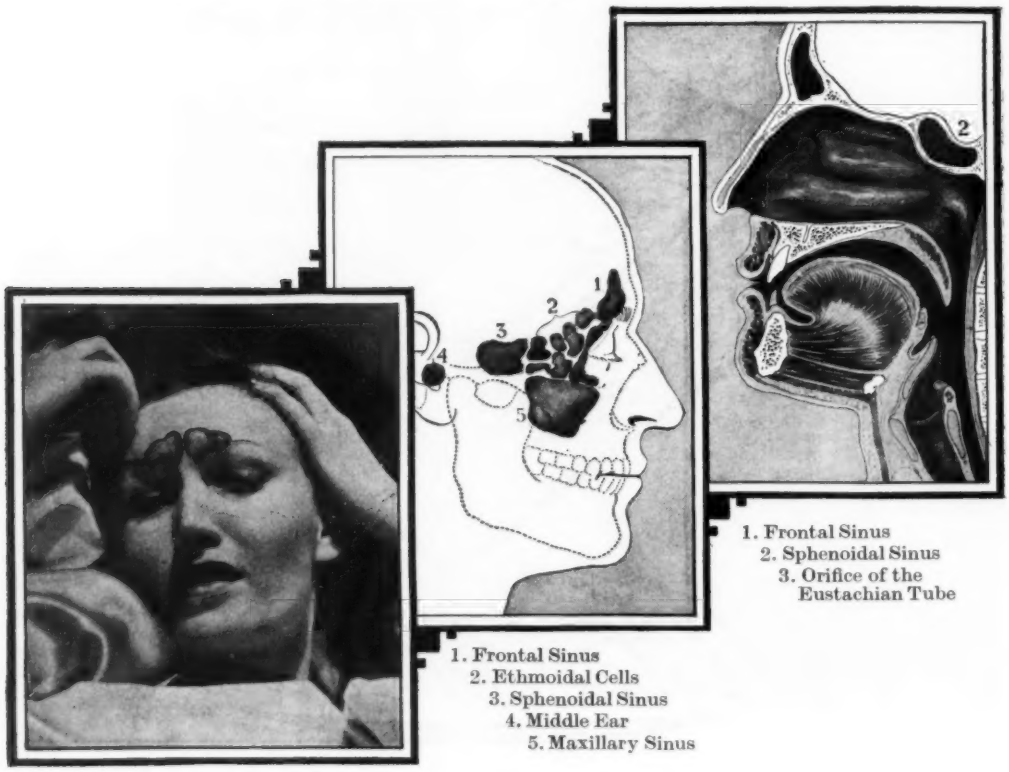

1. Frontal Sinus
2. Sphenoidal Sinus
3. Orifice of the Eustachian Tube

1. Frontal Sinus
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3. Sphenoidal Sinus
4. Middle Ear
5. Maxillary Sinus

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PROVIDE AN INTENSE, SHADOWLESS, COOL AND DIFFUSED LIGHT.
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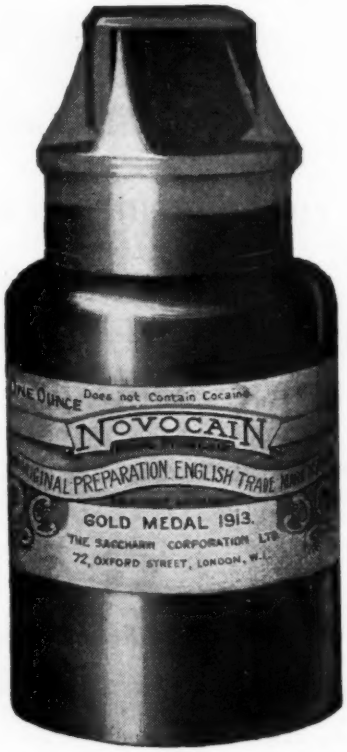

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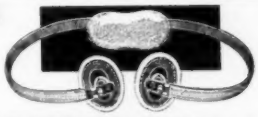

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Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

HURSTWOOD PARK HOSPITAL AND BEECHMONT HOUSE

HAYWARDS HEATH, SUSSEX

The Committee of the Brighton Mental Hospital have provided accommodation for private patients of both sexes where the treatment of nervous disorders from the earliest stages is undertaken, e.g., psycho-therapy, occupational methods and hydro-therapy.

In Hurstwood Park Hospital there are fully equipped surgical and dental units and bio-chemical and bacteriological laboratories.

Hurstwood Park Hospital and Beechmont House are situated in pleasant woodland entirely separated from the main institution and have some of the finest views in Sussex.

Brochure on application to the Medical Superintendent. *Telephone: Haywards Heath 897*

CRICHTON ROYAL, DUMFRIES

For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients sufiering from the effects of of alcoholism and drug addiction.

Every facility for complete investigation and individual treatment on the most modern lines. Physiotherapy Department fully equipped for X-ray work, heliotherapy, short-wave therapy, electrotherapy, and hydrotherapy.

Fully equipped gymnasium and indoor swimming pool under qualified instructors. Facilities under special recreational therapists for all indoor and outdoor games, including squash, badminton, table tennis, golf, cricket, football, hockey, lawn tennis, croquet, and bowling. The hospital has its own Church, Library, Cinema, and Café.

The hospital grounds extending to nearly 1000 acres are situated in delightful country and include an extensive farm (T.T. herd), gardens, and orchards.

Private rooms, suites, villas, and special nurses available. As the hospital is well endowed terms are exceptionally moderate, e.g., First Department 3 to 30 guineas per week, Second Department 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients.

For prospectus, necessary forms, and further information apply to:—

Physician Superintendent, P. K. McCowan, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* **Dumfries 1119.**

THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary patients *only* received.

New Out-patients.—Men: Mondays and Thursdays, 2 P.M. Women: Tuesdays and Fridays, 2 P.M. Children: Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in the case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a Staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

THE ROYAL EARLSWOOD INSTITUTION

FOR MENTAL DEFECTIVES, REDHILL, SURREY.

(Formerly the EARLSWOOD ASYLUM.) PATRON: H.M. THE KING.

FOR THOSE REQUIRING CONTROL with EXPERT SUPERVISION and needing SPECIAL TRAINING in useful occupations, *SCHOOLS, FARMING, and various TRADE WORKSHOPS.*

Inclusive fees from £110 p.a. *THOSE UNABLE TO PAY FULL FEES* admitted by votes of subscribers with part payment towards cost.

RECREATIONS: Outdoor games. MALE STAFF BAND for Concerts, Dancing, etc.

Apply: THE MEDICAL SUPERINTENDENT, Earlswood, Redhill, Surrey, *'Phone:* REDHILL 344; or to the Secretary, Mr. H. STEPHENS, 14-16, Ludgate Hill, E.C.4. *'Phone:* CITY 4697.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

NORTHUMBERLAND HOUSE

GREEN LANES.

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Six acres of ground facing Finsbury Park. Voluntary and Temporary Patients received without certification. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688. *Telegrams:* "SUBSIDIARY, LONDON."

Convalescent Home, KEARSNEY COURT, DOVER.

For further particulars apply to the MEDICAL SUPERINTENDENT.

VALE OF CLWYD SANATORIUM

This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

H. MORRISTON DAVIES, M.D., M.Ch. (Cantab.), F.R.C.S., Llanbedr Hall, Ruthin, N. Wales.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

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FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, **EBWORTHY, MANATON, DARTMOOR,** situated in 20 acres, 1100 ft. up for bracing moorland air.

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Telephones—STARCROSS 59 and TEIGNMOUTH 289

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

HOME for EPILEPTICS, MAGHULL

(Near Liverpool)

FARMING and OPEN AIR OCCUPATION for PATIENTS

A few vacancies in 1st and 2nd Class Houses.

FEES:

1st Class (men only) from £5 5s. p.w. upwards.

2nd Class (men and women) 32/- p.w.

For further particulars apply **Secretary,**

C. EDGAR GRISEWOOD, A.C.A., 20, Exchange St. East, Liverpool

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

CHISWICK HOUSE,
PINNER, MIDDLESEX.
Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

RUSSELLS
Hemel Hempstead Road,
WATFORD
Telephone: WATFORD 5917

A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

MALLING PLACE, KENT
For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

CLARENCE LODGE
CLAPHAM PARK, LONDON
Situated in 3½ acres of secluded gardens.
HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

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Apply MISS THWAITES.

STRETTON HOUSE,
Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

BARNWOOD HOUSE, GLOUCESTER.
A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all other parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 300 acres. Voluntary Patients of both sexes also are received for treatment. Special accommodation is also provided at five villa residences, all of which stand in their own grounds and are entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Physician Superintendent.
Telephone: No. 6207 Gloucester.

HEIGHAM HALL, NORWICH
A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

FENSTANTON
Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD,
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

CITY OF LONDON MENTAL HOSPITAL
Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS
Ladies only received

The Grove, Old Catton, Norwich.
A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

Bad Kissingen

Treatment by mineral waters and baths. Natural carbonic acid brine, bubbling spring, mud and vapour baths for Stomach, Intestinal, Heart, Vascular, Rheumatic, Liver, Gall and Circulatory Troubles.

Prospectus through the Kurverein

Rakoczy Spring Waters for Home Treatment for the Stomach, Intestines and Circulation.

Obtainable direct from the Spa Management or through selling agents, a list of whom will be supplied.

60% reduction on the railway fare—Cheap travelling marks.

Information through THE GERMAN RAILWAYS INFORMATION BUREAU, 19, Regent Street, LONDON, S.W.1.

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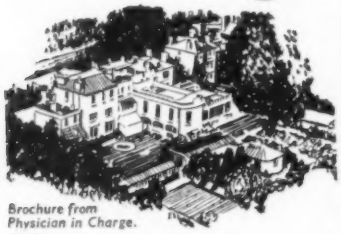

Brochure from Physician in Charge.

Delightfully situated at the foot of the South Downs. Specially caters for patients convalescent or requiring a restful holiday, combined with facilities for treatment by Massage, Foam and other baths, Electrical (including ultra-short wave diathermy) and other physical methods. Electric lift. Medical Practitioners cordially invited to visit

Restorium

HASSOCKS - - SUSSEX 'Phone 103

(in association with fully licensed Downs Hotel)

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

MONTECATINI

near FLORENCE

Season : APRIL 1st—NOV. 30th.

ITALY'S FAMED HEALTH CENTRE

for the diseases of the Digestive Tract—Metabolism—Tropical Diseases—Rheumatism

DRINKING BATHING — MUDPACK CURES PHYSIOTHERAPY

Over 250 Hotels and Pensions of every description

All the attractions of a world-Spa • Railway Reductions

Information : **ENIT—38 Piccadilly, London, W.1.** All Travel Agencies and *Ufficio Propaganda :* **Montecatini Terme (Pistoia) Italy.**

RHEUMA SPA, KINMEL HALL,

ABERGELE, NORTH WALES

Modern Spa Treatments, including Continental Pistany Mud and Scotch Douche, for Rheumatic and similar disabilities

Resident Physician

Excellent amenities and Recreational facilities

Smedley's

Great Britain's Greatest Hydro

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Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Studs Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physician : H. RHYS DAVIES, B.A., M.B., B.Ch., B.A.O.

TERMS, 13s. to 18s. per day, include Turkish and other Baths.

Illustrated Brochure C.J. on request.

'Phone : Matlock 17 (3 lines). *'Grams :* Smedleys, Matlock.

BAD - NAUHEIM

40 minutes from Frankfurt-on-Main. **From Victoria 18 hours**

Affections of the Heart and Blood-vessels, Rheumatism, Nervous Disorders, Catarrhs

The action of naturally-warm carbonic-acid springs with saline contents, combined with first-class medical service.

BAD-NAUHEIM possesses in its Balneological Institute and in the William G. Kerckhoff-Institute a combined place of research on affections of the heart and blood-vessels, which provides the theoretical foundations and the scientific guarantee for the treatment of these ailments.

GOLF, SHOOTING, Etc.

Special terms for physicians and their families

For all particulars apply to German Railways Information Bureau, 19, Regent Street, London, S.W.1, and Tourist Offices, or to Kurverwaltung Bad-Nauheim

NO MEMBER OF THE MEDICAL PROFESSION HAS ANY FINANCIAL INTEREST IN OR ANY CONNECTION WITH THE MANAGEMENT OF

The CLINIC

20, DEVONSHIRE PLACE, W 1

Telephone: WELbeck 4444 (20 *lines*).

IT provides accommodation for medical, surgical and maternity patients under the charge of any registered medical practitioner.

Westminster Hospital, Broad Sanctuary, London, S.W.1.

Consequent upon the opening of the new and enlarged Westminster Hospital, several additional offices will be created, and applications are accordingly invited for the undermentioned appointments for duty commencing 1st July, 1939.

Candidates are required to attend the House Committee on Tuesday, 25th April, 1939, at 4.30 P.M.

Forty copies of applications, accompanied by forty copies of three recent testimonials, should be addressed to the undersigned, from whom full particulars of the appointments may be obtained, on or before Saturday, 22nd April, 1939.

The appointments are Honorary and open to Male candidates only.

ASSISTANT ORTHOPÆDIC SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England. The appointment is subject to annual re-election.

ASSISTANT OBSTETRIC SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England. The appointment is subject to annual re-election.

DENTAL SURGEON.

Candidates must be registered Medical Practitioners, duly qualified and registered as Dentists under the Medical Act. The appointment is subject to annual re-election.

ANÆSTHETIST.

Candidates must be registered Medical Practitioners and engaged exclusively in the administration of anæsthetics. The appointment is subject to annual re-election. (The present Anæsthetic Registrar is a candidate for the office.)

ASSISTANT PHYSICIAN TO THE RADIOLOGICAL DEPARTMENT (Diagnostic).

Candidates must be registered Medical Practitioners and hold a diploma in Radiology. The appointment is subject to annual re-election.

By order of the House Committee.

CHARLES M. POWER, Secretary.

City of London Maternity Hospital, City-road, E.C.1.

Applications are invited for the post of ASSISTANT PHYSICIAN (Male) to the CHILDREN'S DEPARTMENT. Candidates must be members of the Royal College of Physicians, and should have had Pædiatric experience. Attendance will be required on Monday and Thursday afternoons. An honorarium of one guinea per attendance will be given.

Applications (accompanied by copies of two recent testimonials) should be received on or before 30th April, 1939, by the undersigned, from whom further particulars may be obtained.

RALPH B. CANNINGS, Secretary.

Royal College of Surgeons of England.

ELECTION OF PROFESSORS AND LECTURERS.

The Council invites applications for election to the office of HUNTERIAN PROFESSOR, ARRIS AND GALE LECTURER, ARNOTT DEMONSTRATOR, and ERASMUS WILSON DEMONSTRATOR for the ensuing year.

The twelve Hunterian Lectures are delivered by Fellows or Members of the College.

The three Arris and Gale Lectures are on subjects relating to Human Anatomy and Physiology, the six Arnott demonstrations on the contents of the Museum, and the six Erasmus Wilson demonstrations on the Pathological contents of the Museum.

Applications in writing must be made to the Secretary on or before Monday, May 1st. Candidates for the Hunterian Professorships and Arris and Gale lectureships are requested to submit with their applications twenty copies of a synopsis of approximately 500 words describing the subject matter of their proposed lecture.

In the case of Hunterian Lectures the Council is prepared to consider applications for either a series of lectures or a single lecture.

KENNEDY CASSELS, Secretary.

Lincoln's Inn Fields, London, W.C.2, 1st April, 1939.

St. Thomas's Hospital.

VACANCIES.

Appointment of ASSISTANT DIRECTOR of RADIOTHERAPY. Whole-time. Salary £600 per annum and certain emoluments.

Appointment of SENIOR RADIOLOGIST. Whole-time. Salary £600 per annum and certain emoluments.

Appointment of JUNIOR RADIOLOGIST. Whole-time. Salary £400 per annum and certain emoluments.

Further information of these appointments and particulars of duties may be obtained from the Clerk to the Governors, to whom applications, with full details of academic career and copies of testimonials, should be sent not later than the 5th of April.

Queen Mary's Hospital for the East END, Stratford, London, E.15.

Wanted a REGISTRAR to the EAR, NOSE, AND THROAT DEPARTMENT to assist the Aural Surgeon who is in charge of that department. The appointment carries with it an honorarium of 50 guineas per annum.

Attendance will be required at the Hospital on Tuesday and Friday mornings at 9 A.M.

Applications from candidates, who must be Fellows of the Royal College of Surgeons, to be sent to the undersigned not later than Wednesday, the 5th of April, 1939, accompanied by copies of three testimonials.

RAPHAEL JACKSON, Major, Secretary.

The Middlesex Hospital, W.1.

Applications are invited for the appointment of RESIDENT MEDICAL OFFICER. Appointment in the first instance for three years renewable annually thereafter for a further three years. Salary £400 per annum, rising by £50 to £500, with board and residence provided in the College, where he will be required to reside.

Candidates must be registered Medical Practitioners, either Doctors or Bachelors of Medicine of a recognised University, or Members of the Royal College of Physicians of England or Masters or Bachelors of Surgery or Fellows of the Royal College of Surgeons.

Applications (thirty copies) supported by copies of testimonials, should be submitted by 18th April, 1939.

S. R. C. PLIMSOLL, Secretary-Superintendent.

Paddington Green Children's Hospital (Incorporated), London, W.2.

HOUSE PHYSICIAN.
HOUSE SURGEON.

These appointments will become vacant on May 1st, 1939.

Gentlemen (unmarried) are invited to send in their applications, with copies of three testimonials, to the undersigned not later than Friday, April 14th, 1939.

Salary of each at the rate of £150 per annum, with board and residence.

Candidates who have held a responsible Resident Hospital appointment are preferred.

The appointments are for a period of six months.

JAMES A. HAMLIN, Secretary.

London Hospital, E.1.

There is a vacancy for the post of HONORARY ASSISTANT ANÆSTHETIST. Candidates are required to hold the Diploma in Anæsthetics of the Royal Colleges of Physicians and Surgeons.

Applications, with testimonials, should be sent to the House Governor, and should arrive not later than on Saturday, 29th April, 1939.

A. G. ELLIOTT, House Governor.

HIS MAJESTY'S COLONIAL SERVICE

COLONIAL MEDICAL SERVICE

During 1939 the Secretary of State for the Colonies proposes to select a number of **MEDICAL OFFICERS** to fill vacancies, the majority of which will occur in **TROPICAL AFRICA** and in **MALAYA.**

QUALIFICATIONS.

Candidates must be British subjects of European parentage, under 35 years of age, and must possess a medical qualification registrable in the United Kingdom. Preference will be given to candidates who have held Hospital or Public Health appointments, or who have special knowledge of anæsthetics, radiology, surgery, medicine, ophthalmology, gynæcology and midwifery, diseases of the ear, nose and throat, venereal diseases, etc.

DUTIES.

Although Medical Officers are appointed in the first instance for general service, there are opportunities for work in special branches of medicine and surgery, in public health, and in medical research.

TERMS OF APPOINTMENT.

The appointments are pensionable, subject to a probationary period which varies from two to three years.

SALARY.

Initial salaries vary from £600 to £700, and rise by increments to a maximum of between £1000 and £1200.

After they are confirmed, officers become eligible in due course for promotion to higher specialist or administrative posts, with salaries varying from £1200 to £1800.

PRIVATE PRACTICE.

Private practice is not allowed as of right, but in the case of some appointments it is permitted on certain conditions.

QUARTERS.

In Tropical Africa, free quarters, or an allowance in lieu, are provided. In Malaya, quarters are provided at an annual rental not exceeding 6 per cent. of an officer's salary.

PASSAGES.

Free first-class passages are provided on first appointment and when returning from leave. Assistance is also given towards family passages.

COURSES OF INSTRUCTION IN TROPICAL MEDICINE and HYGIENE.

Selected candidates will normally be required to attend a course of instruction leading to the Diploma in Tropical Medicine and Hygiene before proceeding overseas.

Further particulars and forms of application may be obtained from the DIRECTOR OF RECRUITMENT (Colonial Service), 8, Buckingham Gate, London, S.W.1.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

Beit Memorial Fellowships for Medical RESEARCH.

NOTICE is hereby given that an ELECTION of JUNIOR FELLOWS to begin work on 1st October will take place in July, 1939. Junior Fellowships are normally of the annual value of £400 for three years; but candidates, younger than those usually elected or whose promise for medical research must be judged mainly on work outside that field, may be awarded a lower rate of £300 for the first two years. Candidates are asked to state whether they would be unable to accept this lower initial rate.

The Trustees are desirous of furthering research in Mental Diseases and in the general allotment of Fellowships will give some preference to a candidate proposing research on approved lines in that subject.

Candidates must have taken a Degree in a Faculty of a University in the British Empire or a Medical Diploma registrable in the United Kingdom. Elections to Junior Fellowships are rarely made above the age of thirty-five years.

Applications from candidates should be received by 14th May, though late entries will be accepted up to 1st June.

Forms of application and all information may be obtained by letter only addressed to :—

PROFESSOR T. R. ELLIOTT, M.D., F.R.S., Hon. Secretary.
Beit Memorial Fellowships for Medical Research,
University College Hospital Medical School,
University-street, London, W.C.1.

Hospital for Consumption and Diseases OF THE CHEST, Brompton, S.W.3.

The Committee of Management invite applications for the following posts :—

RESIDENT SURGICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Salary £150 per annum, with board and residence, and an additional £25 per annum for services in connexion with paying patients. The appointment is for twelve months, commencing 1st May, 1939.

ASSISTANT RESIDENT MEDICAL OFFICER. Candidates must have held a Resident Hospital appointment for not less than six months. Experience in Artificial Pneumothorax essential, and in Ear, Nose, and Throat work desirable. Salary £150 per annum, with board and residence. The appointment is for six months, commencing 1st May, 1939.

HOUSE PHYSICIANS. There are three vacancies. The duties include work in the Out-patient Department and in the wards. One of the selected candidates will be appointed Assistant to the Tuberculosis Officer for the Local Tuberculosis Dispensary at the Hospital. The appointment is for six months, commencing 1st May, 1939, with an honorarium of £50.

Applications, with copies of testimonials, must reach the undersigned not later than Saturday, 8th April, 1939.

F. G. ROUVRAY, Secretary.

Bron pton, March, 1939.

THE ARMY DENTAL CORPS

Applications are invited from Dental Surgeons for appointment to COMMISSIONS in The Army Dental Corps.

Candidates, who should not be over twenty-eight years of age, will for the present be selected for commissions without competitive examination, but will be required to present themselves in London for interview and physical examination. They must hold the Degree or Diploma of a British University or College of Surgeons and be registered under the Dentists, Acts or Medical Acts.

Successful candidates will, in the first instance, be given short service commissions for six years, at the end of which period they will retire with a gratuity of £1000, unless they have been granted permanent commissions. Permanent commissions will be given to officers selected from among those who wish to make the Army their permanent career.

Particulars, including regulations for admission, pay, and allowances, and forms of application may be obtained on request either in writing or in person to the Director, Army Dental Service, The War Office, London, S.W.1.

St. John's Hospital, Lewisham, S.E.13.

Applications are invited to fill the appointment of ORTHOPÆDIC REGISTRAR. The successful candidate is required to attend the hospital on Wednesday mornings. An honorarium of 35 guineas per annum is paid.

Applications, with particulars of qualifications and experience, should be addressed to the undersigned as soon as possible.

J. C. GILBERT, Secretary-Superintendent.

St. Bartholomew's Hospital, E.C.1.

SPEECH DEFECTS.

Applications are invited for the post of HONORARY INSTRUCTOR for Speech Defects.

Appointment will be made for one year from the 1st January, 1940, with eligibility for annual re-election.

Candidates (Male or Female) are required to leave six copies of their applications and testimonials with the undersigned not later than Saturday, 15th April, 1939.

C. C. CARUS-WILSON, Clerk to the Governors.

7th March, 1939.

Appointments for Medical Officers in The ROYAL AIR FORCE

Medical men are invited to apply for Short Service Commissions in the Royal Air Force.

Candidates must be registered under the Medical Acts and be not more than 31 years of age on entry.

The period of service is 3 years—extendible to 5 years. A gratuity of £400 or £1,000 is payable at the termination of 3 or 5 years respectively. Permanent commissions are awarded in a number of cases. These offer a pensionable career with the opportunity of extra leave on full pay for specialised study.

Applicants who hold—or are likely to hold—post-graduate appointments in civil hospitals may, on joining the Royal Air Force, be seconded until the termination of their appointments (for a period not exceeding one year) An antedate of commission, up to twelve months, is allowed for appointments held at approved hospitals.

Fuller information can be obtained from The Director of Medical Services, Air Ministry, Kingsway, London.

London Hospital, E.1.

Applications are invited for the post of MEDICAL OUT-PATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Medical Outpatient Department on every weekday afternoon.

Applications, with copies of testimonials, should be sent to the House Governor from whom further particulars may be obtained and should arrive not later than on Saturday, the 22nd April.

ARTHUR G. ELLIOTT, House Governor.

London Hospital, E.1.

Applications are invited for the post of SURGICAL OUT-PATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Surgical Outpatient Department on every weekday afternoon.

Applications, with copies of testimonials, should arrive at the Hospital not later than by the first post on Saturday, 22nd April.

Further particulars may be obtained from the House Governor.

ARTHUR G. ELLIOTT, House Governor.

London Hospital, E.1.

Applications are invited for the post of SUPERVISOR of OUTPATIENT OPERATIONS. Applicants must be fully qualified medically. Appointment is for six months with possibility of renewal. Salary £200 per annum. Attendance daily.

Applications, with copies of testimonials, should be sent to the House Governor at once from whom further particulars may be obtained.

ARTHUR G. ELLIOTT, House Governor.

Middlesex County Council.

NORTH MIDDLESEX COUNTY HOSPITAL,
Silver-street, Edmonton, N.18.

ASSISTANT MEDICAL OFFICER, registered Medical Practitioner with considerable all-round experience and as House Physician and House Surgeon. Whole-time duties in casualty and receiving room under supervision of Medical Superintendent. Hours 10 A.M. to 6 P.M., excluding Saturday afternoons and Sundays. Appointment, subject to medical examination and one month's notice, is primarily for six months but may be extended for a further six months. Preservation of pension rights under certain Acts. Salary £350 per annum, with board, lodging, and laundry, or if non-resident £100 cash allowance.

Written applications, with copies of not more than three recent testimonials, to the undersigned by 15th April, 1939. Canvassing, direct or indirect, disqualifies.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

London Chest Hospital,

Victoria Park, E.2.

The Committee of Management invite applications for the post of PHYSICIAN to In-Patients. One of the Out-Patient Physicians is an applicant for the post and in the event of his being appointed a vacancy will occur for an Out-Patient Physician.

Applications are therefore provisionally invited for this post. Candidates must be Fellows or Members of the Royal College of Physicians, London.

Applications should reach the Secretary at the Hospital not later than April 22nd.

THOMAS BROWN, Secretary.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available:—

ASSISTANT MEDICAL OFFICER (Class I).—Salary £350–£25–£425, with board, lodging, and washing.

(*a*) ST. GEORGE-IN-THE-EAST HOSPITAL, Raine-street, Wapping, E.1.—Duties mainly surgical. Experience in genito-urinary surgery desirable.

ASSISTANT MEDICAL OFFICERS (Class II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*b*) HIGHGATE HOSPITAL, Dartmouth Park-hill, N.19.—Medical duties and anæsthetics.
(*c*) LEWISHAM HOSPITAL, Lewisham, S.E.13.—Duties mainly medical.
*(*d*) NEW END HOSPITAL, Hampstead, N.W.3.—Duties mainly medical, experience in anæsthetics essential.
(*e*) NORWOOD HOSPITAL FOR CHILDREN, Elder-road, West Norwood, S.E.27.—Duties mainly medical. Children's experience desirable. Only women candidates eligible.
(*f*) PADDINGTON HOSPITAL, Harrow-road, W.9.—General duties.
(*g*) ST. MARY, ISLINGTON, HOSPITAL, Highgate-hill, N.19.—Duties mainly obstetrical and gynæcological.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 17th April.

Canvassing disqualifies.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing to undermentioned position. Experience in a resident appointment in a general hospital for at least six months desirable. Married quarters not available.

ASSISTANT MEDICAL OFFICER (Class II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions) at:

KING GEORGE V SANATORIUM, near Godalming, Surrey.

Application forms obtainable (stamped, addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 11th April.

Canvassing disqualifies.

London County Council.

ASSISTANT DISTRICT MEDICAL OFFICERS required for:

(1) AREA VII, DISTRICT K (Part of West Battersea).
(2) AREA VII, DISTRICT S (Part of West Battersea).
(3) AREA IX, DISTRICT C (Part of Deptford).

Provisional salaries: (1) £175; (2) £150; (3) £150. Persons appointed required to reside in or near particular district.

Application form with further particulars (stamped, addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, S.E.1, returnable by 17th April.

Canvassing disqualifies.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of full-time SENIOR ASSISTANT RADIOLOGIST for the Therapeutic Section of the Radiological Department.

Applicants must be registered Medical Practitioners who hold a Diploma in Radiology.

Salary at the rate of £450 per annum, rising to £500 per-annum in the second year.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned not later than the first post on Monday, 17th April, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of RADIOLOGIST (part-time).

Applicants must be registered Medical Practitioners, who hold a Diploma in Radiology.

The duties of the post will be entirely in connexion with the diagnostic section of the Radiological Department.

Salary at the rate of £400 per annum for 5 sessions per week.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned, not later than first post Monday, 17th April, 1939.

CLEMENT COBBOLD, Secretary.

Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the following appointment:—

HOUSE PHYSICIAN, vacant 1st June. The appointment is for nine months (three months as Out-patient Medical Officer and Anæsthetist and six months as House Physician). Salary at the rate of £70 per annum, with board, residence, and laundry.

Applications, with copies of testimonials, should be sent by April 7th to the undersigned, from whom the necessary forms of application and rules can be obtained.

GILBERT G. PANTER, Secretary.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

There is a vacancy for the post of CHIEF CLINICAL ASSISTANT IN THE X-RAY (DIAGNOSTIC) DEPARTMENT. Salary at the rate of £125 a year. The appointment in the first instance is for a period of 12 months and, subject to the re-election, may be continued for further periods. Candidates must be duly qualified registered Medical Practitioners and have had experience of Radiological work, especially X ray diagnosis.

Attendance of four sessions a week will be required.

Applications, accompanied by copies of testimonials, must reach me not later than, first post, Tuesday, April 11th. Candidates must attend a Meeting of the Medical Council at 4.30 P.M. on Friday, 14th April. The appointment will be made by the House Committee at a meeting at 5 P.M. the same day.

H. A. MADGE, Secretary.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

RESIDENT ANÆSTHETIST (Male) required at once for period to 30th September. Salary at the rate of £100 a year with board and lodging. Candidates must be registered under the Medical Act.

Particulars of age, qualifications, and experience, accompanied by copies of testimonials, should be sent forthwith to the under signed.

H. A. MADGE, Secretary.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Required as soon as possible a RESIDENT CASUALTY OFFICER (Male). The appointment is tenable for six months, subject to one month's notice on either side. A considerable portion of the duties will be in connexion with the Special Injuries Clinic. Salary at the rate of £100 a year with board and lodging. Candidates must be duly qualified registered Medical Practitioners and preference will be given to those who have held a resident appointment at a General Hospital.

Applications (which must be on printed forms obtained from me) must reach me not later than first post on Thursday, 6th April. Selected candidates will be required to call upon such members of the Medical Staff as directed; to be in attendance at a Special Meeting of the Medical Council at 4.30 P.M. on Friday, 21st April, and the House Committee Meeting the same day, when the appointment will be made.

H. A. MADGE, Secretary.

Metropolitan Hospital,
Kingsland-road, E.8.
(150 Beds.)

Applications are invited for the post of CASUALTY OFFICER AND RESIDENT ANÆSTHETIST (Male). Salary at the rate of £100 per annum, with board, residence, and laundry. Duties to commence 1st May next.

Candidates must possess a registered medical and surgical qualification of the United Kingdom.

Forms of application may be obtained from the undersigned and should be returned not later than 11th April.

FRANK JENNINGS, House Governor and Secretary.

Mildmay Mission Hospital, Austin-

street, Bethnal Green, E.2.—Applications are invited for the post of ASSISTANT CASUALTY OFFICER (Female), which becomes vacant on May 1st. The appointment is non-resident and for six months. Salary £140 per annum. Dinner, tea, and supper when on duty.

Candidates must be registered under the Medical Acts, and the Mildmay Council is anxious that they should be fully in sympathy with the religious work of the Hospital.

Applications, with copies of recent testimonials, should be sent to the Medical Superintendent as soon as possible.

Metropolitan Borough of Lambeth.

DEPUTY MEDICAL OFFICER OF HEALTH.

The Lambeth Borough Council invite applications from fully qualified Male and Female Medical Practitioners for the appointment of Deputy Medical Officer of Health at an inclusive salary of £840 per annum, rising by annual increments of £40, due on the 1st April in each year, to a maximum of £960 per annum.

Candidates must not be more than forty years of age on the 25th May, 1939, and must possess the qualifications prescribed by the Public Health (London) Act, 1936, and the Sanitary Officers Order, 1926. All other things being equal it will be an advantage if a candidate possesses qualifications indicating a special interest and experience in maternity and child welfare work. The officer appointed will be required to devote the whole of his or her time to the duties of the office, to contribute to the Council's Superannuation Fund, and to submit himself or herself for medical examination, the appointment being subject to the report being satisfactory. The appointment will also be subject to the approval of the Minister of Health.

Applications on forms to be obtained from the undersigned, endorsed "Deputy Medical Officer," accompanied by copies of three testimonials of recent date, are to be delivered by noon on Monday, the 24th April, 1939.

Canvassing, either directly or indirectly, will disqualify a candidate.

O. L. ROBERTS, Town Clerk.

Lambeth Town Hall, Brixton Hill, S.W.2, 31st March, 1939.

Royal Eye Hospital,
St. George's-circus, S.E.1.

Applications are invited for the following posts:—

OFFICER in charge of Children's Treatment Clinic, Friday mornings. Salary £80 per annum.

O.P. REFRACTION OFFICER, Friday afternoons. Salary £80 per annum.

In each case applicants are requested to state which afternnon they could attend as Clinical Assistant (in conjunction with the post applied for), for which an honorarium of £20 per annum will be paid.

Applications should be sent to the Secretary on or before Thursday, 6th April.

F. E. D'ALTON, Secretary.

The Guest Hospital, Dudley.
(General Hospital—139 Beds.)

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

CASUALTY HOUSE SURGEON (Male) required. Duties to commence immediately. Salary at the rate of £150 per annum with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

21st March, 1939.

Poplar Hospital,
East India Dock-road, E.14.

Applications are invited for the post of JUNIOR HOUSE SURGEON. Candidates (Male) must possess a registered medical and surgical qualification of the United Kingdom. Salary will be at the rate of £100 per annum, all found. The appointment will be for a period of three months, and is renewable for a further period of three months.

D. H. LINDSAY, Secretary.

City of Manchester.

BAGULEY SANATORIUM. (333 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (grade 2) at the Baguley Sanatorium.

The salary for the appointment is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Box No. 399, Town Hall, Manchester, 2, by whom applications must be received not later than April 8th, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 21st March, 1939.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN.
(760 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above-named hospital.

The salary for the appointment is £400 per annum, rising by £25 annually to a maximum of £450 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Applicants must hold a higher qualification in surgery, and must have had previous experience in residential hospital posts.

Full information and forms of application may be obtained from the Medical Officer of Health, Box No. 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than April 22nd, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 28th March, 1939.

County Borough of Walsall.

MANOR HOSPITAL.

JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Junior Assistant Medical Officer (resident). The appointment will be for a period of twelve months and the salary is at the rate of £150 per annum, together with the usual emoluments.

The person appointed will be required to act under the general direction of the Medical Superintendent and carry out work in the Children's Department and for anæsthetics.

Applications, stating age, professional qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be sent to the Medical Officer of Health, Health Department, Council House, Walsall, not later than 15th April, 1939.

30th March, 1939.

City of Leeds.

PUBLIC HEALTH DEPARTMENT.

ST. JAMES'S HOSPITAL. (1330 Beds.)

Required. Three HOUSE PHYSICIANS (Male) for the above Hospital. The appointments are for six months, but may be renewed for a further six months only.

Salary £150 per annum, with board, residence, and laundry.

Candidates must be qualified, registered, and unmarried.

Applications, stating age, qualifications, &c., together with copies of three recent testimonials, to be forwarded to Dr. J. JOHNSTONE JERVIS, Medical Officer of Health, 12, Market Buildings, Vicar-lane, Leeds, 1, not later than 10 A.M. on the 12th April, 1939.

Canvassing in any form, either directly or indirectly, will be a disqualification.

Rochdale Infirmary and Dispensary.
(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

City and County of Newcastle-upon-Tyne.

APPOINTMENT OF MATERNITY OFFICER.

Applications are invited from registered Medical Practitioners, with suitable qualifications and experience, for the full-time, non-resident post of Maternity Officer. The person appointed will exercise a general supervision over the Corporation's Maternity Scheme and the Municipal Midwives Services, and will be in clinical charge of the new Maternity Unit (thirty beds) at the Newcastle General Hospital. Further particulars as to the duties appertaining to the post and form of application will be furnished on request.

Salary £800 per annum, rising by annual increments of £50 to £1000. The Maternity Officer will also receive certain teaching fees. The post is pensionable under the Local Government Superannuation Act, 1937.

Applications which must be on the prescribed form and accompanied by copies of two testimonials and the names of two referees, should be forwarded to the Medical Officer of Health, Health Department, Town Hall, Newcastle-upon-Tyne, 1, not later than Wednesday, 12th April, 1939.

City of Portsmouth.

SAINT MARY'S HOSPITAL. (1050 Beds.)

Applications are invited for the appointment of a JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER. Applicants must be single gentlemen, duly qualified and registered, not exceeding thirty years and must have had at least one year's experience of hospital work. Experience in anæsthetics will be an additional qualification. The appointment is limited to a term of one year and the salary will be £250 per annum, with residential emoluments valued at £125 per annum. The appointment includes service at any institution belonging to the City Council and will be subject to termination by one month's notice on either side. A resident Medical Superintendent is in attendance.

Application forms may be obtained from and must be returned to the Medical Officer of Health, The Guildhall, Portsmouth, not later than Monday, 10th April, 1939.

Canvassing will be a disqualification.

F. J. SPARKS, Town Clerk.

The Guildhall, Portsmouth, 20th March, 1939.

Bucks Mental Hospital, Stone, AYLESBURY.

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited from registered Medical Practitioners for the above-named appointment, which will be subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Salary £350 per annum, rising by annual increments of £25 to £450, with usual residential emoluments, including board, lodging, and laundry, valued at £100 per annum. Quarters for a married man are available, with suitable adjustment of emoluments.

Possession of the Diploma in Psychological Medicine will entitle the holder to an extra £50 per annum.

Applications, stating age and full particulars, accompanied by copies of not more than three recent testimonials, should reach the Medical Superintendent as soon as possible and in any case not later than 10 A.M. Wednesday, 5th April, 1939.

The Royal Albert Institution for the FEEBLE-MINDED, LANCASTER.

Wanted, a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Male), registered, unmarried. Dental experience essential, and knowledge of refraction work an advantage. Commencing salary £375, if also qualified in Dentistry £425, with emoluments valued at £120 a year for superannuation purposes.

Applications, accompanied by copies of three recent testimonials and with two personal references, to the Medical Superintendent not later than Saturday, 15th April, 1939.

Wonford House Registered Hospital, EXETER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Male, single) at a commencing salary of £350 per annum, increasing by annual increments of £30 to £500 per annum, together with board, lodging, and laundry. An additional £50 per annum will be paid for the possession of the Diploma in Psychological Medicine. Previous mental hospital experience is desirable.

Applications, stating age, nationality and accompanied by copies of three recent testimonials, should be sent to the Medical Superintendent not later than 12th April, 1939.

Manchester Royal Infirmary.

HOUSE SURGEON—AURAL, GYNÆCOLOGICAL AND OPHTHALMIC DEPARTMENTS.

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment, vacant on 15th May, 1939. Applicants must hold a Medical and Surgical qualification and be registered.

The appointment is for six months, subject to the by-laws as to notice, &c. Salary at the rate of £50 per annum, with board-residence, and allowance for laundry.

Applications, stating age, to be sent to the Chairman of the Medical Board not later than 12th April, 1939.

By Order,

F. J. CABLE, General Supt. and Secretary.

Manchester Royal Infirmary.

HOUSE SURGEON—ORTHOPÆDIC DEPARTMENT

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment which becomes vacant on 26th April, 1939.

Applicants must be registered and hold a Medical and Surgical qualification.

The appointment is for six months, subject to the provisions of the by-laws as to notice, &c. Salary at the rate of £50 per annum, with board-residence, and allowance for laundry.

Applications, stating age, to be sent to the Chairman of the Medical Board not later than 12th April, 1939.

By Order,

F. J. CABLE, General Supt. and Secretary.

March, 1939.

Manchester Royal Infirmary.

APPOINTMENT OF AN HONORARY ASSISTANT AURAL SURGEON.

The Board of Management invite applications for the above appointment.

Candidates must be Graduates in Medicine of a British or Irish University or a Fellow of one of the Royal Colleges of Surgeons of the United Kingdom.

Candidates are required to forward diplomas, original testimonials and a certificate of age with their applications, addressed to the Secretary, on or before Thursday, 27th April, 1939, from whom also a copy of the rules can be obtained. Candidates are required to furnish 45 copies of their application and dated testimonials, addressed to the Secretary for distribution prior to the Meeting of the Committee.

Canvassing, directly or indirectly, is forbidden and the Committee reserve to themselves the right, on proceeding to election, to take into consideration, any complaint that canvassing on behalf of any candidate has taken place.

By order.

F. J. CABLE, General Supt. and Secretary.

27th March, 1939.

General Hospital, Nottingham.

(389 Beds.)

ORTHOPÆDIC AND FRACTURE DEPARTMENT.

A HOUSE SURGEON (Male) is required for the above Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry. Experience in the treatment of fractures desirable.

Candidates are asked to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than April 14th. Duties to commence on May 17th.

HENRY M. STANLEY, House Governor and Secretary.

Nottingham Hospital for Women.

HONORARY ASSISTANT SURGEON.

The Committee of Management invite applications for the post of Honorary Assistant Surgeon to the Nottingham Hospital for Women. Candidates must hold a Senior Surgical or Gynæcological qualification.

Applications accompanied by forty copies of recent testimonials should reach the undersigned by Saturday, May 6th.

A. L. MORELL, Secretary.

Hospital for Women, Peel-street, Nottingham.

City of Lincoln.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer of Health and Assistant School Medical Officer (Man or Woman). Salary £500–£25–£700.

Further particulars and forms of application should be obtained from the Medical Officer of Health, Health Department, Beaumont Fee, Lincoln.

C. W. HOOTON, Director of Education.

4 Lindum-road, Lincoln.

Christie Hospital and Holt Radium INSTITUTE, WITHINGTON, MANCHESTER.

Applications are invited for the post of Whole-time PATHOLOGIST AND RESEARCH FELLOW IN PATHOLOGY at the above hospital. The position offers ample opportunity for research work. Commencing salary £600 per annum. Further details on application to the General Superintendent.

Fourteen copies of the application, which should contain full particulars, including testimonials, should be forwarded to the undersigned not later than April 15th, 1939.

PERCY N. GLASS, General Superintendent.

Newark General Hospital.

(66 Beds.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). Salary at the rate of £175 per annum, with board, residence, and laundry. The appointment is for six months, and may be renewed for a further term of six months. Duties to commence on or about April 30th, 1939.

Applications, stating age and hospital experience, together with copies of three recent testimonials, should be forwarded to the undersigned immediately.

B. C. DION, Secretary-Superintendent.

County Borough of Burnley.

ASSISTANT MEDICAL OFFICER (Female).

Applications are invited from duly qualified and registered Medical Practitioners (Female), not exceeding forty years of age, for the appointment of Assistant Medical Officer of Health. The duties will be mainly those connected with Maternity and Child Welfare and the Council's Maternity Hospital.

The salary will be £500 per annum, rising, subject to satisfactory service, by £25 per annum, to a maximum of £700 per annum, less a deduction of £125 per annum for board, lodging, and laundry.

The successful candidate will be required to devote whole-time to the service of the Council and to reside in the quarters provided.

The appointment will be subject to the provisions of the Local Government Act, 1937, and the successful candidate will be required to pass a Medical Examination.

Further particulars of duties, conditions of appointment, and forms of application may be obtained from the Medical Officer of Health, 27, St. James'-street, Burnley, to whom applications, together with copies of three recent testimonials, should be sent not later than 10th April, 1939.

Canvassing, either directly or indirectly, will be a disqualification.

HARRY PLOWMAN, Town Clerk.

Town Hall, Burnley, 20th March, 1939.

Lindsey County Council.

GRIMSBY COUNTY BOROUGH COUNCIL.

The above local authorities are proceeding to make a joint appointment of an Obstetric and Gynæcological Consultant. The joint salary offered will be £700 per annum, subject to the provisions of the Local Government Superannuation Act, 1937.

The candidate will be required to hold a special post-graduate qualification in obstetrics, to reside in either Grimsby or Cleethorpes, and will be allowed private consultant practice in obstetrics and gynæcology only.

Further details of the conditions of the appointment may be obtained from the County Medical Officer of Health, Public Health Department, County Offices, Lincoln. Applications for this appointment are to be submitted not later than 8th April, 1939, to the Clerk of the Lindsey County Council, County Offices, Lincoln.

ERIC W. SCORER,
Clerk of the Lindsey County Council.
L. W. HEELER,
Town Clerk, County Borough of Grimsby.

Royal Surrey County Hospital,

GUILDFORD. (216 Beds.)

Wanted, 1st May, 1939: HOUSE PHYSICIAN AND CASUALTY OFFICER (Male). Six months' appointment: recognised for M.D. examination. Salary £150 per annum, with board, residence, and laundry.

Applications, stating age and essential particulars with copies of not more than three testimonials, to reach the Secretary-Superintendent not later than first post on Friday, 7th April.

Hertfordshire County Council.

PUBLIC ASSISTANCE.

COUNTY INSTITUTION, OSTER HOUSE, ST. ALBANS.

HOUSE SURGEON.

Applications are invited for the post of House Surgeon, single (either sex) at the above Institution, which comprises general Medical and Surgical wards with separate Maternity and Children's Units.

Salary will be at the rate of £175 per annum with furnished quarters, rations, laundry, and attendance The appointment will be limited to one year and not renewable.

Candidates must be duly qualified and registered. Applications, stating age, qualifications, and experience, with copies of not more than three recent testimonials, should be sent, to the Clerk of the St. Albans Guardians' Committee, Oster House, St. Albans (from whom any further details may be obtained), as soon as possible.

ELTON LONGMORE, Clerk of the County Council.

Hertford, Herts, 24th March, 1939.

County Borough of Swansea.

ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from duly qualified Medical Men for the post of Assistant Medical Officer of Health and Assistant School Medical Officer. The person appointed will be required to devote his whole time to the duties of medical inspection of school-children, infant welfare, administration of anæsthetics, and such other duty as may be allotted by the Medical Officer of Health.

The salary will be at the rate of £500 per annum, rising by annual increments of £25 to £700 per annum and the appointment is subject to the provisions of the Local Government Superannuation Act, 1937, and to a medical examination.

Copies of application form and further particulars can be obtained from the Medical Officer of Health, Guildhall, Swansea, to whom application, accompanied by copies of not more than three recent testimonials, should be delivered not later than April 12th, 1939.

County Borough of Bury.

ASSISTANT MEDICAL OFFICER OF HEALTH. (Male.)

The Corporation of Bury invite applications for the post of whole-time Assistant Medical Officer of Health.

Applicants, who must be not more than forty-five years of age, must have had at least three years' experience in their profession, and particularly experience in the diagnosis and treatment of venereal diseases, and they must also have had experience in maternity and child-welfare work, including the conduct of Infant Welfare and Ante-Natal Clinics.

The possession of a Diploma in Public Health is desirable.

The successful applicant must devote the whole of his time to the duties of his appointment. An opportunity will be given to acquire a knowledge of general Public Health work.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the officer appointed will be required to pass a medical examination.

The appointment will be terminable by three months' notice on either side.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700.

Applications, endorsed "Assistant Medical Officer of Health," and accompanied by copies of three recent testimonials, must be forwarded to the undersigned not later than Thursday, 6th April, 1939.

Canvassing in any form will disqualify.

RICHARD MOORE, Town Clerk.

Municipal Offices, Bank-street, Bury, 24th March, 1939.

County Borough of Newport.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH (Male).

Applications are invited for the post of Assistant Medical Officer of Health (Male) at a commencing salary of £600 per annum, rising by annual increments of £25 to a maximum of £750 per annum.

Candidates must be under forty years of age, registered Medical Practitioners, and must possess a Diploma in Public Health or an equivalent qualification.

The person to be appointed must have had special experience in Infectious Diseases (as he will be required to take charge of the Infectious Diseases Hospital) and also in Public Health work including Maternity and Child Welfare and School Medical work, and Bacteriology.

The successful candidate will be required to devote the whole of his time to the duties of the office and to perform such work as may be entrusted to him by the Medical Officer of Health. He will also be required to pass a medical examination as to physical fitness, and to contribute to the Council's Superannuation Fund.

Applications, to be made on forms obtainable at this office and accompanied by copies of three recent testimonials, must reach the Medical Officer of Health, Royal Chambers, High-street, Newport, Mon., not later than Saturday, April 15th, 1939.

Royal National Hospital for

CONSUMPTION AND DISEASES OF THE CHEST, VENTNOR, ISLE OF WIGHT.

ASSISTANT RESIDENT MEDICAL OFFICER (Male), unmarried, for six months commencing 1st May, 1939. Salary at the rate of £250 per annum, with board, residence, and laundry allowance. The successful candidate will be eligible for reappointment for a further six months at a salary at the rate of £275 per annum with similar emoluments.

Candidates must be fully qualified in Medicine and Surgery, and previous experience in Tuberculosis and Bacteriological work will be an advantage. The appointment affords experience in Sanatorium, and Surgical Treatment of Pulmonary Tuberculosis.

Applications in candidates' own handwriting, stating age, qualifications, and experience (with one copy of three recent testimonials), to be sent to the Medical Superintendent, Royal National Hospital for Consumption, Ventnor, Isle of Wight, not later than 8th April, 1939.

Doncaster Royal Infirmary.

(185 Beds.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER (Male).

Applicants must be unmarried and have had previous surgical experience. The appointment will be for six months and renewable for further periods of six months, subject to satisfactory service. Salary will be at the rate of £250 per annum, rising by half yearly increments of £25 per annum to a maximum of £350 per annum.

Applications, together with copies of three recent testimonials, should be forwarded to the undersigned.

R. LANCASTER, Secretary-Superintendent.

Tilbury Hospital, Essex (Seamen's Hospital Society.) (92 Beds.)—HOUSE SURGEON (Male) required for six months as from the 1st April. Salary £140 per annum, with board, residence, and laundry.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

F. A. LYON, Secretary,
Seamen's Hospital Society, Greenwich, S.E.10.

20th March, 1939.

The Welsh National School of Medicine.

(UNIVERSITY OF WALES.)

A DEMONSTRATOR is required in the DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY of the Welsh National School of Medicine, Cardiff.

The appointment is a temporary one for a period not exceeding two years at a salary at the rate of £250 per annum. The person appointed will be required to commence duties on July 1st, 1939.

Further particulars may be obtained from the undersigned by whom applications, accompanied by copies of not more than four testimonials, must be received by Wednesday, April 19th, 1939.

S. C. EDWARDS, Secretary.

Welsh National School of Medicine,
The Parade, Cardiff.

Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of Assistant Medical Officer (Male). Applicants must possess a qualification in Public Health. The main duties will be in connexion with the School Medical and Maternity and Child Welfare Services, but the officer appointed will be required to undertake such other Public Health duties as may be allocated to him. He will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote his whole time to the work.

Salary £600 per annum, rising by annual increments of £25 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointment will be subject to the approval of the Ministry of Health and the Board of Education, to the successful candidate passing a medical examination, to the provisions of the Local Government and other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointment may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed form and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application from may be obtained, and to whom any inquiries relating to the appointment should be addressed.

Last day for receipt of applications, Friday, 14th April, 1939.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames, 25th March, 1939.

Cheshire County Mental Hospital,

PARKSIDE, MACCLESFIELD.

Male ASSISTANT MEDICAL OFFICER required, not over thirty years of age and single. Previous mental hospital experience not essential. Salary £350, rising annually by £25 to £450, with board, apartments, and laundry, valued at £100, subject to deductions under the Asylums Officers' Superannuation Act, 1909.

The successful candidate will be expected to obtain the D.P.M. (which carries with it an addition of £50 per annum to the salary stated) as soon as possible after appointment. There is every scope for original research, the hospital having a modern laboratory and full equipment for the latest methods of treatment.

Time will be arranged for attendance of lectures at Manchester University.

Preference will be given to candidate with laboratory experience.

Applications, stating qualifications, with copies of three recent testimonials, to be sent to the Medical Superintendent, to be received as soon as possible.

City of Plymouth.

CITY GENERAL HOSPITAL. (570 Beds.)

Applications are invited from duly qualified and registered Medical Practitioners for the post of ASSISTANT MEDICAL OFFICER.

Salary will be at the rate of £300 per annum with full residential emoluments. All fees received by the officer must be refunded to the council.

The appointment will be for a period of twelve months, terminable by one month's notice on either side. Previous experience in a maternity hospital or in the maternity wards of a general hospital is essential. As the duties of the post also include general work, preference will be given to candidates who have had such experience.

Forms of application may be obtained from the undersigned, and should be forwarded, together with copies of not more than three recent testimonials, not later than 12th April, 1939.

T. PEBSON, Medical Officer of Health.

Town Hall, Stonehouse, Plymouth.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to the ORTHOPÆDIC DEPARTMENT, to take up duty on the 1st May, 1939. Salary £150 per annum, with board, lodging, and laundry.

Application list closes 19th April, 1939.

Application forms may be obtained from :—

W. H. GRACE, M.D., M.R.C.P.

Lanchester Joint Hospital Board.

MEDICAL SUPERINTENDENT—INFECTIOUS DISEASES HOSPITALS.

Applications are invited for the appointment of a full-time Medical Superintendent.

The appointment in the first instance will be in respect of the Board's existing Infectious Diseases Hospitals (four in number, one of which is for smallpox) and will be non-resident until the New Hospital of 144 beds now in the course of construction is ready when the appointment will become resident, subject to satisfactory service.

Salary at the rate of £750 per annum, with increments every two years of £50 to a maximum of £937 10s. per annum. On the appointment becoming resident the salary will be reduced by the value of the emoluments.

Candidates must be registered Medical Practitioners and have had experience of bacteriological work as well as practical knowledge of the work and administration of Infectious Diseases Hospitals.

Intending candidates are asked to communicate with the undersigned for further particulars before sending in their applications.

Applications, stating age, experience, and present appointment, accompanied by copies of not more than three recent testimonials, to be addressed to me and delivered at my office not later than first post on Friday, April 28th, 1939.

J. J. S. BARKER, Clerk to the Board.

Lanchester, Co. Durham, March 28th, 1939.

Devon County Mental Hospital,

EXMINSTER.

APPOINTMENT OF MEDICAL SUPERINTENDENT.

Applications for the position of Medical Superintendent are invited from duly registered Medical Men of British nationality, preferably holding the degree of Doctor of Medicine of a University in Great Britain or Ireland.

Experience in the treatment of mental disorders and the administration of a mental hospital is essential.

Salary £1000 per annum, rising by £50 yearly to £1300 per annum with emoluments valued at £200 per annum in addition. The emoluments consist of rates, water, light and fuel, laundry, vegetables, milk and butter. A rent of £100 per annum will be charged for detached furnished residence.

The salary and emoluments will be subject to deductions under the Asylum Officers' Superannuation Act, 1909.

Applications, on forms which can be obtained from the undersigned, should be returned accompanied by copies of three testimonials not later than the 22nd April.

Canvassing, directly or indirectly, will disqualify the applicant.

A. J. WITHYCOMBE, Clerk to the Visiting Committee.

The Castle, Exeter, 27th March, 1939.

Lancashire County Council.

PARK HOSPITAL, DAVYHULME,
Near MANCHESTER.

APPOINTMENT OF RESIDENT MEDICAL OFFICERS.

Applications are invited from registered Male Medical Practitioners (unmarried), for the following appointments :—

(*a*) ASSISTANT RESIDENT MEDICAL OFFICER to be attached to the Obstetrical, Gynæcological, and Surgical Units. Salary £300 per annum.

(*b*) JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER. Salary £250 per annum.

The usual residential allowances are provided.

The appointments will, in the first instance, be for a period of six months, the successful applicants being eligible for reappointment for a further period of six months at the end of that period.

The hospital comprises 500 beds for acute cases, is fully equipped in every respect and is recognised as a complete Training School for Nurses.

The appointments will be terminable by one month's notice on either side.

Forms of application may be obtained from the County Medical Officer of Health, Hospital and Medical Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded so as to be received not later than Tuesday, 18th April, 1939.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 27th March, 1939.

Nottingham and Midland Eye

INFIRMARY.

RESIDENT HOUSE SURGEON (Male) required April. 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

Bedford County Hospital.

Wanted One SENIOR HOUSE SURGEON and One CASUALTY OFFICER to take over their duties on April 1st for a term of not less than six months. They must be Male, unmarried, and fully qualified. Salary £150 per annum, with board, lodging, and laundry.

Applications, stating age, nationality, and qualifications, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Staffordshire Mental Hospital,
CHEDDLETON, Nr. LEEK.

Applications are invited for the appointment of JUNIOR ASSISTANT MEDICAL OFFICER, unmarried. Salary £500, rising by £25 annually to £600 per annum, plus £50 per annum for D.P.M. if and when obtained. A deduction of £130 per annum will be made for board, apartments, &c. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, with copies of two recent testimonials, to be sent not later than 7th April, 1939, to the Medical Superintendent.

Bexhill Hospital, Bexhill-on-Sea.

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male or Female).

The appointment is for a period of six months. Salary £150 per annum, with board, residence, and laundry. The successful applicant will be required to commence duty on the 10th of May next.

Applications, stating age, nationality, experience, and qualifications, accompanied by three recent testimonials, should be received by the undersigned as soon as possible.

P. E. WINDO, Secretary.

22nd March, 1939.

Leicester Royal Infirmary.

A vacancy has arisen for an HONORARY SURGEON consequent upon the death of Mr. W. I. Cumberlidge (Senior Surgeon).

Candidates must be Masters in Surgery of one of the Universities of the United Kingdom or Ireland or Fellows by examination of the Royal College of Surgeons of England, and have been Assistant Surgeons of the Royal Infirmary for five years.

Applications to the undersigned by Tuesday 4th April.

H. T. PLOWMAN, House Governor and Secretary.

27th March, 1939.

The Charitable Infirmary,
JERVIS STREET HOSPITAL, DUBLIN.

The Committee of Management of this Institution invite applications for a vacancy for a VISITING SURGEON on the Staff of the Hospital, for recommendation to the Governors. Preference will be given to a recognised Teacher.

Candidates should address their letters of application to the Secretary of the Committee of Management so as to reach her not later than Saturday, 8th April, prox.

By order.

SHEILA O'DEA, Secretary.

Corporation of Glasgow.

PUBLIC HEALTH DEPARTMENT.

WOODILEE MENTAL HOSPITAL, LENZIE, GLASGOW.

Applications are invited for the post of SECOND ASSISTANT RESIDENT MEDICAL OFFICER (Male, single). General hospital experience preferred. Salary £300, rising to £350, with board, lodging, and laundry. The appointment, after six months' probation, is subject to the provisions of the Asylums Officers' Superannuation Act, 1909.

Applications, stating age and experience, and accompanied by copies of not more than two recent testimonials, to be sent to the Physician Superintendent.

Leeds Public Dispensary and Hospital,
North-street, LEEDS, 2.

Applications are invited for the posts of:—

One RESIDENT SURGICAL OFFICER (Male) who will act as Senior. Appointment for one year. Salary £200 per annum, with board, residence, and laundry.

One OPHTHALMIC AND AURAL OFFICER (Male) and Three HOUSE PHYSICIANS (Male).

These appointments are for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, with copies of three recent testimonials, to be sent to the undersigned on or before Saturday, 15th April.

CHARLES F. J. MAURY, Secretary and Superintendent.

Cheshire County Council.

CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL (Nr. BIRKENHEAD).

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER (Male).

Applications are invited for the above appointment, which is for a period of six months at a salary of £250 per annum, together with the usual residential allowances.

The appointment may be renewed for a further period of six months.

There is a Non-Resident Medical Superintendent, a Resident Deputy Medical Superintendent, and a Consulting Staff from Teaching Hospitals.

Applications to be made on forms obtainable from the undersigned and returned not later than the 12th April, 1939.

IAN MACKAY, County Medical Officer of Health.

County Public Health Department,
24, Nicholas-street, Chester.

The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEON required for FRACTURE AND ORTHOPÆDIC DEPARTMENT. Duties to commence forthwith.

The Hospital contains 300 beds, includes the usual special departments and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

City of Salford.

INFECTIOUS DISEASES HOSPITAL. (300 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Male). Salary £200 per annum, plus board, residence, and laundry. The appointment will be for one year.

Form of application may be obtained from the Medical Officer of Health, 143, Regent-road, Salford, 5, to whom it must be returned endorsed "Junior Assistant Resident Medical Officer" not later than 14th April, 1939.

H. H. TOMSON, Town Clerk.

Herefordshire General Hospital,
HEREFORD. (152 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) in charge of CASUALTY AND EAR, NOSE, AND THROAT DEPARTMENTS, which falls vacant on April 21st.

Salary at the rate of £100 per annum, with board, residence, and laundry.

Applications, stating age and qualifications, together with copies of three recent testimonials, to be sent to the undersigned.

T. W. UPTON, Secretary.

Taunton and Somerset Hospital,
TAUNTON.

A HOUSE SURGEON (Male) required April 26th for six months. Another H.S. and a H.P. also in residence. Salary at the rate of £125 per annum, with board, residence, and laundry, and the retention of certain fees.

Applications, with copies of not more than three recent testimonials, to F. J. J. STACEY, Secretary.

Royal Sussex County Hospital,
BRIGHTON.
(272 Beds. Six R.M.O.s.)

CASUALTY HOUSE SURGEON (Male) required early in May.

Salary £120 per annum, with board, residence, and laundry.

Candidates must hold Medical and Surgical qualifications of the British Empire, and be duly registered under the Medical Acts.

They must be unmarried, and when elected under thirty years of age.

Applications, with copies of recent testimonials, to be forwarded to the undersigned, not later than the 12th April, 1939.

L. L. W. LANCASTER-GAYE, Secretary-Superintendent.

Manchester Ear Hospital,
Grosvenor-square, All Saints'.

The Board invite applications for the post of Non-resident HOUSE SURGEON. Salary at the rate of £150 per annum, with partial board. Appointment six months. 31 Beds.

Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Corporation of Bristol invite applications for the post of Assistant Medical Officer of Health. Salary £500, rising by annual increments of £50 to £700 per annum.

The gentleman appointed will be required to devote the whole of his time to his duties and will not be allowed to engage in private practice. He will work under the direction of the Medical Officer of Health in school medical and city health departments, also in the port and in the inspection of aliens if appointed to do so by the Ministry of Health.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The diploma of public health is essential.

Application forms and particulars of the duties of the post may be obtained from the Medical Officer of Health, 40, Prince-street, Bristol, 1, to whom they must be returned accompanied by not more than three recent testimonials not later than the 14th April, 1939. Envelopes should be endorsed "Assistant Medical Officer of Health." Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

The Council House, Bristol, 1, March, 1939.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Typewriting.—Specialists in Typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson, Ltd., 16, Palace Chambers Bridge-street, S.W.1. WHItehall 3838.

The National University of Ireland APPOINTMENTS COMMITTEE can recommend suitably qualified Medical Graduates as Locum Tenentes or Assistants. Medical practitioners who require such services should apply, stating all particulars to the Secretary, Appointments Committee, N.U.I., 86, St. Stephen's Green, Dublin. Telephone Dublin 51793.

Assistant required with a view to Partnership in a Radiological Practice in South Africa. Commencing salary £1200 to £1500 according to experience, but may be increased for exceptional qualifications.—Address, No. 569, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Young Lady Receptionist, School Certificate, First-Aid Certificate. Excellent testimonials, knowledge of typewriting &c., requires Post with West End Doctor or Dentist.—Address, No. 582, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Experienced and competent Secretary available owing to death of Dr. Gugenheimer. Highly recommended. Excellent personal references. Fluent French. Accurate and reliable. Personality and tact. Write, No. 583, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Propagandist.—Propagandist familiar with propaganda among the Medical Profession and able to advise in advertising, &c. Part-time job. Write, No. 584, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted immediately, Research Fellow. Preference will be given to one who has experience in experimental pathology. There is a possibility of a permanent position and opportunity of acquiring clinical experience.—Address, No. 579, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

F.R.C.S. (Eng.), M.B. (Lond.), 40, seeks PARTNERSHIP or appointment as SURGEON in specialising firm or otherwise. Extensive G.P. and surgical experience all branches. Income not less than £1800. Capital available.—Address, No. 580, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

Wanted.—Representative to call on Doctors and Hospitals. First-class technical education. Some biological knowledge essential. Apply by letter in first place, stating experience, to ORGANON LABORATORIES, 77, Newman-street, London, W.1.

North Staffs.—Old Established Practice FOR SALE. Large panel. Gross fees £2600. Audited accounts.—C. HOWSON & CO., Accountants, 15, Glebe-street, Stoke-on-Trent.

London.—Cora Hotel. Upper Woburn-place, near B.M.A Headquarters. Accommodates 235 visitors. Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

Several Good Secondhand Microscopes and Objectives, by Ross, Zeiss, Watson, &c., to be cleared at very low prices. Details on application.—City Sale and Exchange (1929), Ltd., 93–4, Fleet-street, E.C.4.

RADIUM—FOR SALE

Made up as follows in needle form, 0·5 millimetres Platinum screenage:

12 × 1	milligrammes.
9 × 2	,,
8 × 3	,,
6 × 4	,,
2 × 6	,,
2 × 10	,,

Total = 39 needles. 110 milligrammes.
Offers invited.
Address No. 581, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

The "TOM LONG circle" scarcely spoke:
Its silent praise went up in smoke!

Belgravia. — An unfurnished self-contained ground floor and semi-basement MAISONETTE, six rooms with usual offices, suitable for Doctor, offices or residential, within few yards of Victoria Station. Telephone for particulars to Sloane 4650 before NOON or after 9 P.M.

All New Divan Rooms. Absolute cleanliness. C.H.W. Baths. Service. Light. Breakfast and Dinner from 38s. 6d. weekly, or meals optional. Large double, with breakfast 22s. 6d. each.—73, Longridge-road, Earl's Court.

21, Wimpole Street.—Suite available in well-known Doctor's house (modernised). Experienced physician would like to coöperate with other specialists. Low rentals. Secretarial assistance in addition to usual services.

For available

CONSULTING ROOMS, PROFESSIONAL HOUSES AND FLATS

In Harley Street and the medical area generally including Mayfair

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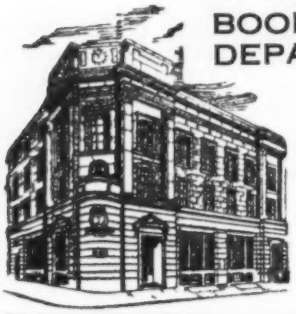

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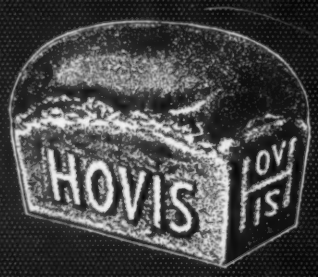

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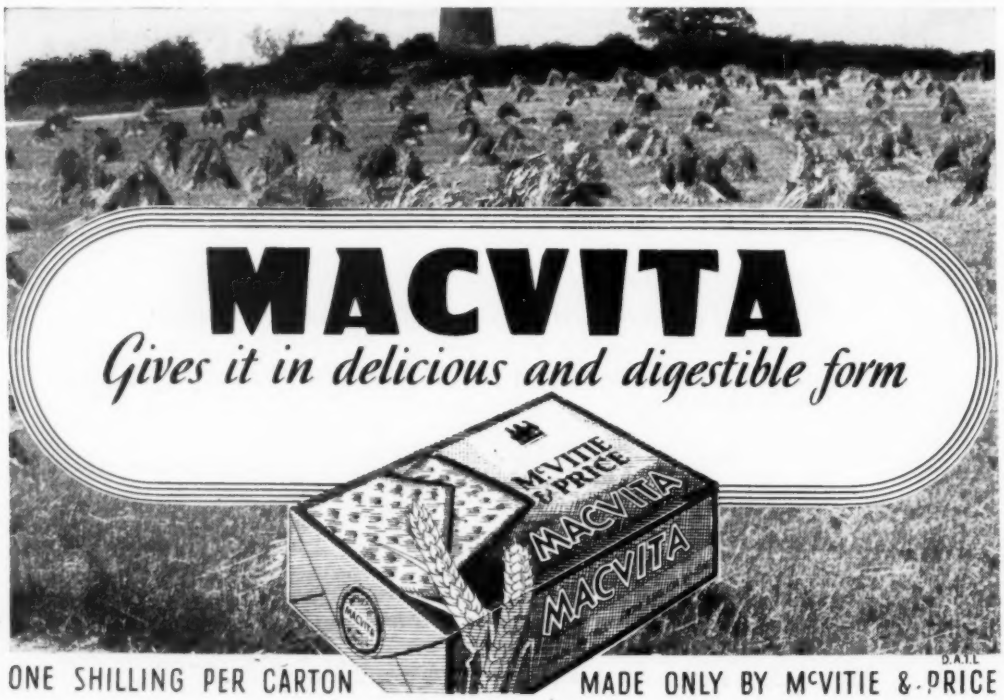

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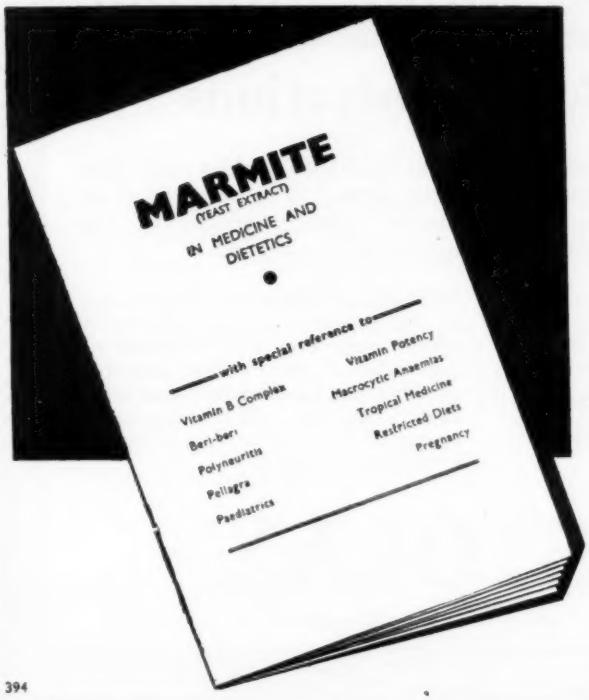

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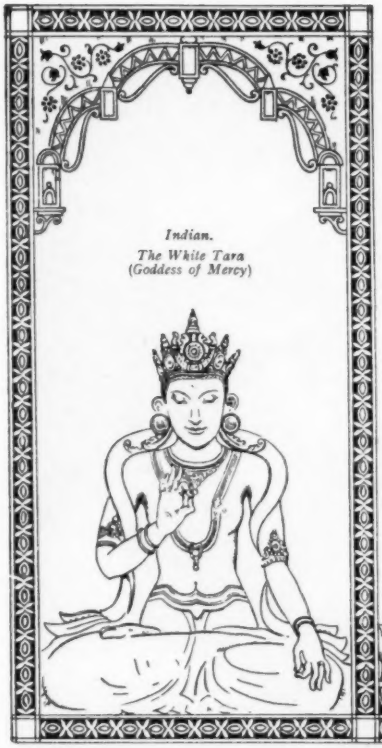

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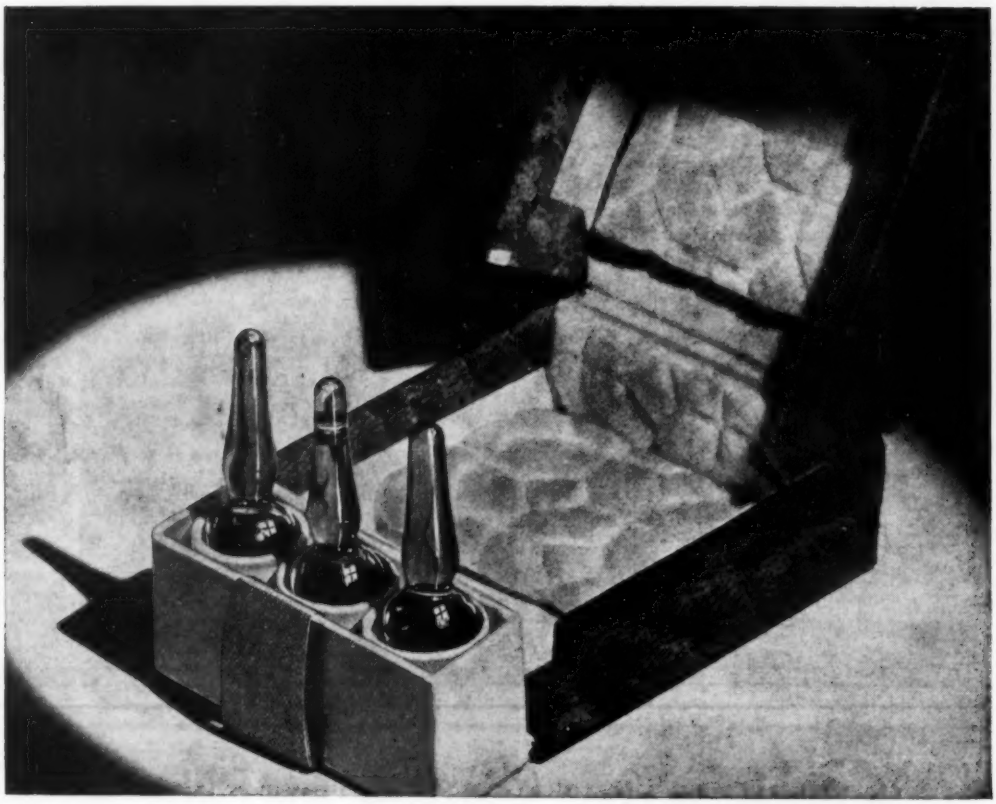
M268



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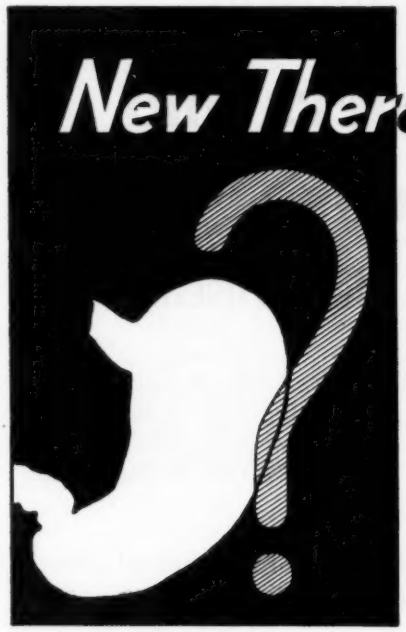

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* See "Colloidal Aluminium Hydroxide in the Treatment of Peptic Ulcer," published in *The Lancet*, 4th March, 1939.

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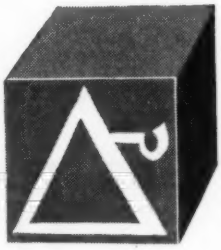
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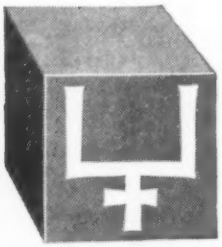
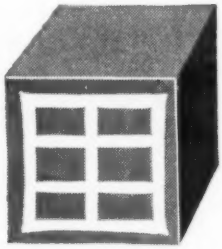
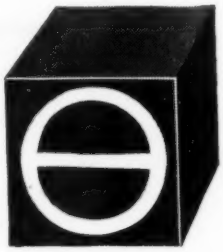
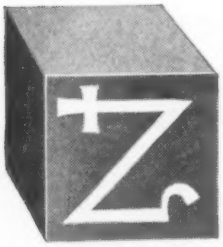
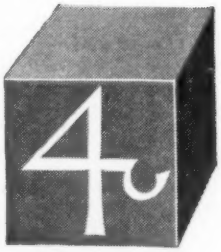

POTASSIUM


WATER

URINE


SALT


CALCIUM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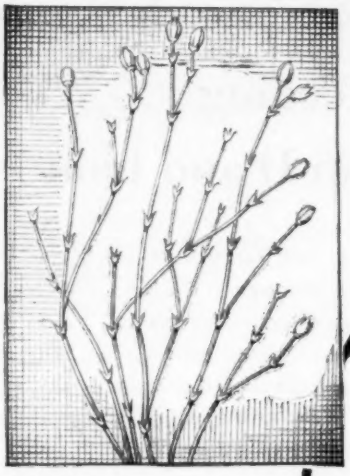

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	Grams per oz.	Per cent.
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Protein	4.26	15.0
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Iron	0.004	
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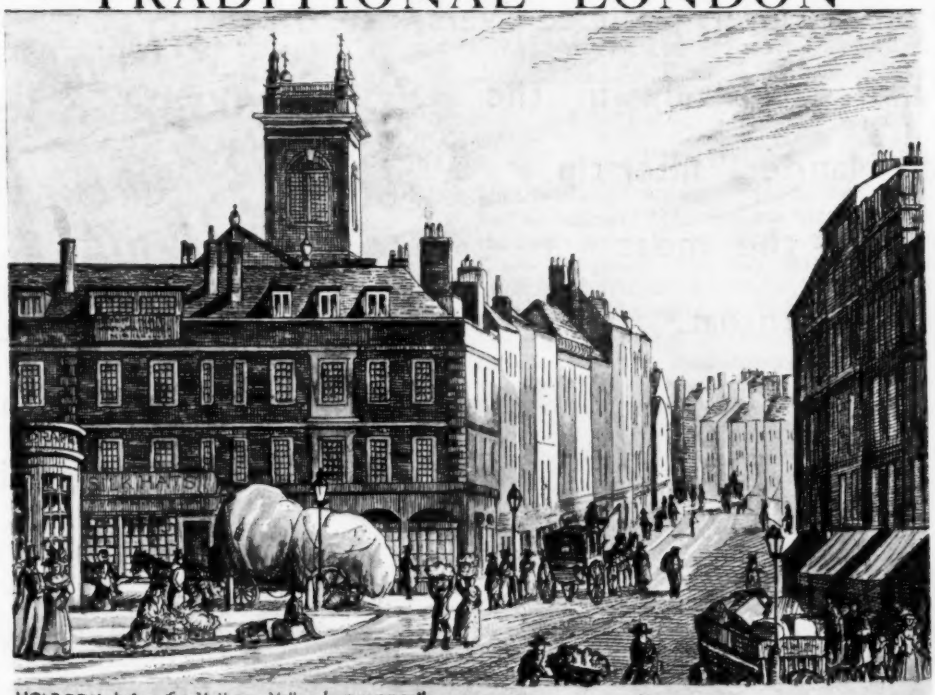

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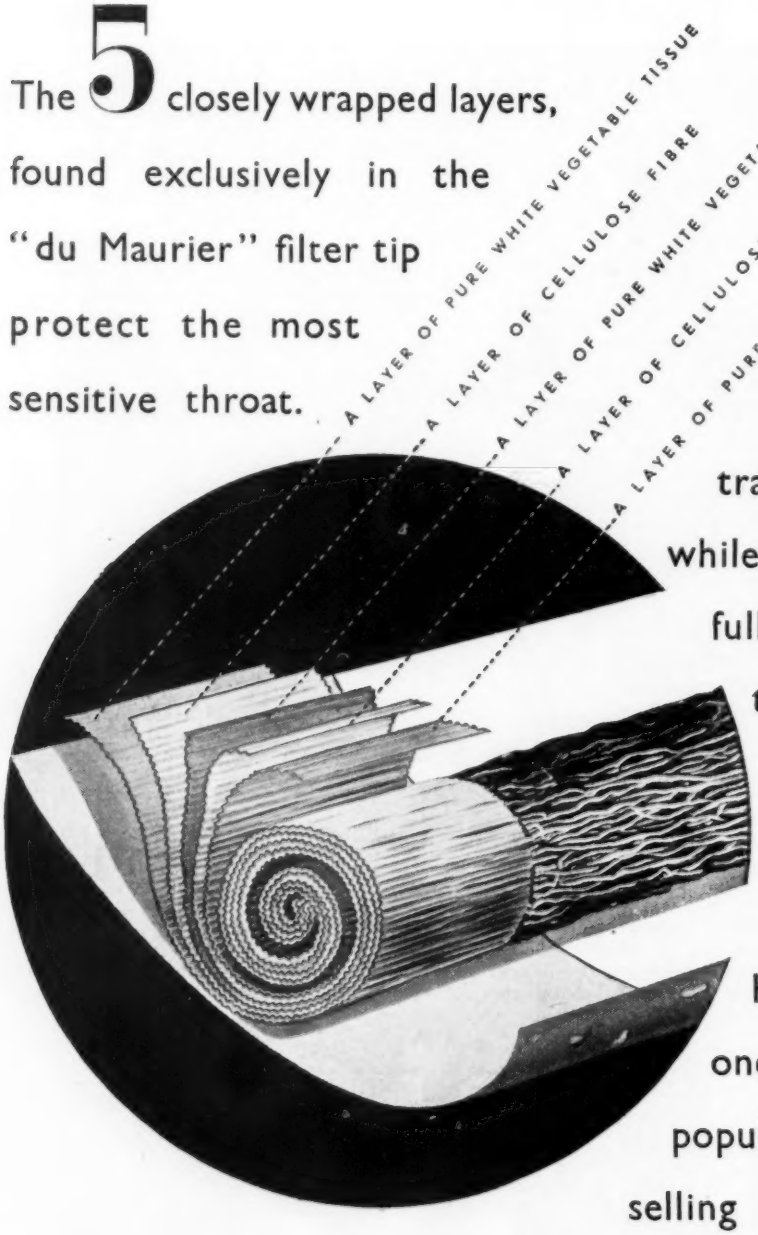

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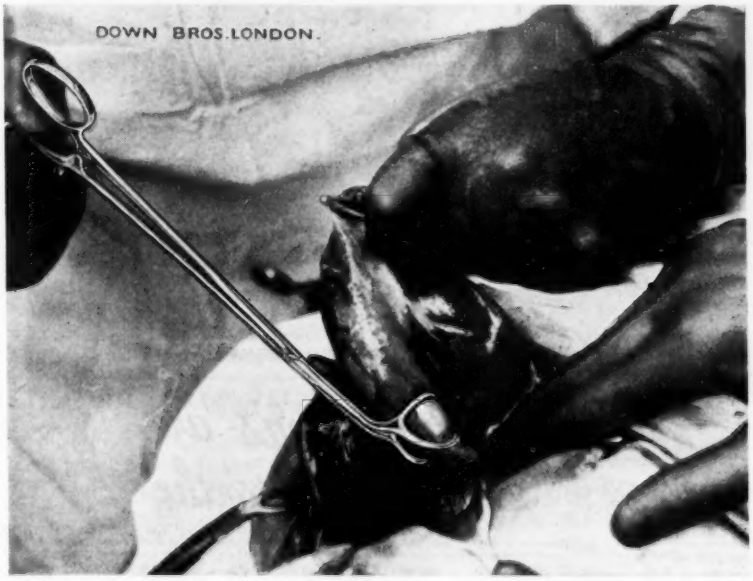

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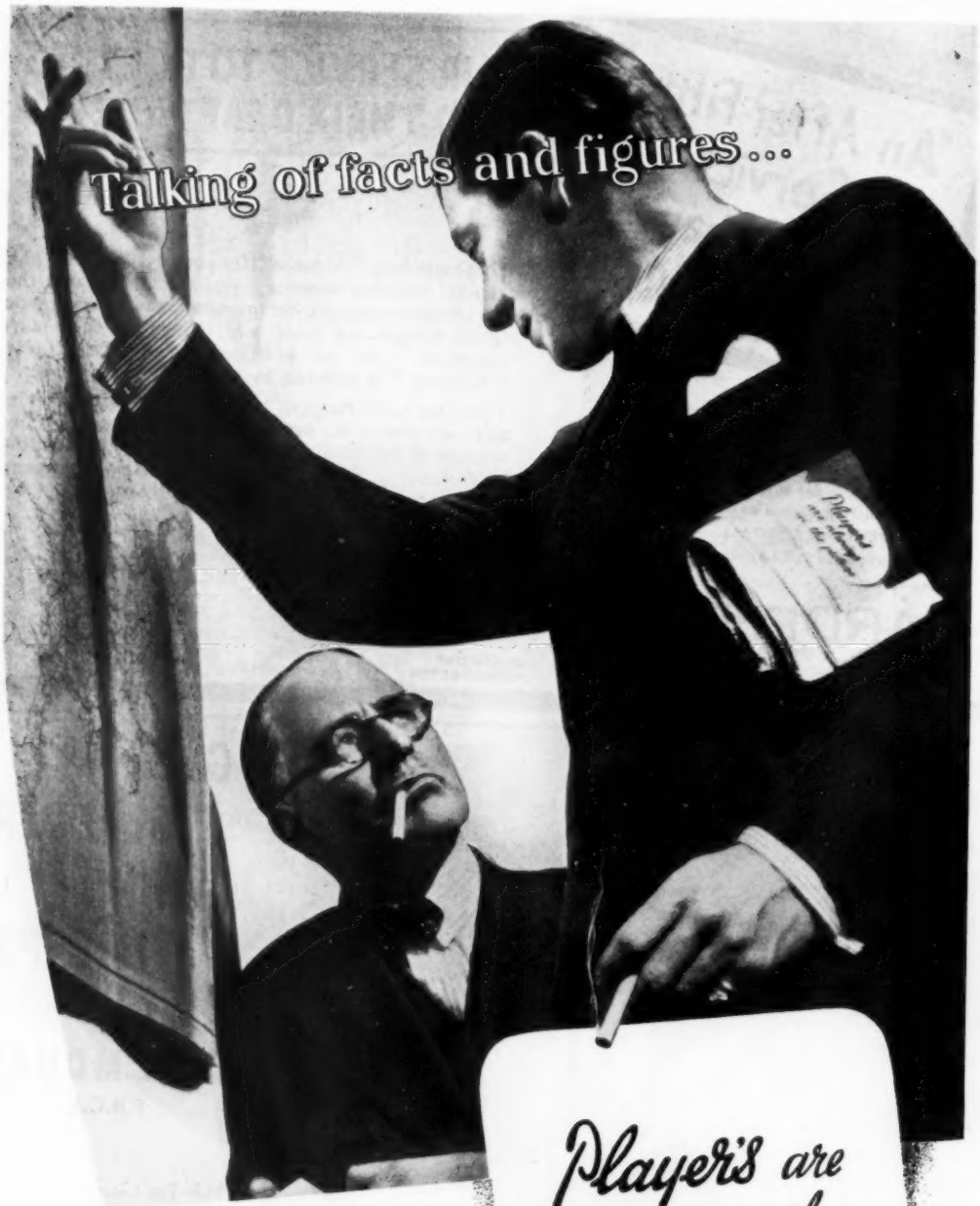

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(Founded and Endowed by Thomas Holloway in 1885)

This Institution is situated in a beautiful and healthy locality within easy reach of London. It is fitted with every comfort. Patients can have Private Bedrooms and Special Nurses, as well as the use of General Sitting Rooms, at moderate rates of payment. Voluntary Patients can be admitted.

There is a Branch Establishment at CANFORD CLIFFS, BOURNEMOUTH, where Patients can be sent for a change and be provided with all the comforts of a well-appointed home.

For Terms, apply to the

RESIDENT MEDICAL SUPERINTENDENT, St. Ann's Heath, Virginia Water, Surrey

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a " team " of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, tropical diseases, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* **181 & 182, Winkfield Row**

ST. ANDREW'S HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS,

NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

WANTAGE HOUSE

This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

MOULTON PARK

Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

BRYN-Y-NEUADD HALL

The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

At all the branches of the Hospital there are cricket grounds, football and hockey grounds, lawn tennis courts (grass and hard courts), croquet grounds, golf courses, and bowling greens. Ladies and gentlemen have their own gardens, and facilities are provided for handicrafts, such as carpentry, etc.

For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephones: Rodney 2641 and 2642.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

HURSTWOOD PARK HOSPITAL AND BEECHMONT HOUSE

HAYWARDS HEATH, SUSSEX

The Committee of the Brighton Mental Hospital have provided accommodation for private patients of both sexes where the treatment of nervous disorders from the earliest stages is undertaken, e.g., psycho-therapy, occupational methods and hydro-therapy. In Hurstwood Park Hospital there are fully equipped surgical and dental units and bio-chemical and bacteriological laboratories. Hurstwood Park Hospital and Beechmont House are situated in pleasant woodland entirely separated from the main institution and have some of the finest views in Sussex.

Brochure on application to the Medical Superintendent. *Telephone: Haywards Heath 897.*

THE LAWN, LINCOLN

A Registered Hospital for Mental and Nervous Diseases situated in Lincoln near the Cathedral and Castle. The grounds are well-laid out and spacious, containing tennis and croquet courts, and the Hospital is within easy reach of the City. Certified, temporary and voluntary patients are received. Treatment includes occupational therapy, and psychotherapy in suitable cases. Further particulars from the Medical Superintendent.

TELEPHONE 165

CALDECOTE HALL

NUNEATON
WARWICKSHIRE
('Phone: Nuneaton 241)

Residential treatment of

"Nervous Disorders" & Alcoholism

(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.
CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.
Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, **EBWORTHY, MANATON, DARTMOOR,** situated in 20 acres, 1100 ft. up for bracing moorland air.

Resident Physicians—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 59 and TEIGNMOUTH 289

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." **33, PECKHAM RD., LONDON, S.E.5.** Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

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FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No. 8 Formby.*

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All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 800 ft., and commanding extensive sea and mountain views. Central heating, electric light, X ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Rooms now available from 5 guineas weekly.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary, Pendyffryn Hall, near Penmaenmawr, North Wales. 'Phone 20.

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

Telephone: 64117 Nottingham.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

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WATFORD

Telephone: WATFORD 5917

A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

NORTHUMBERLAND HOUSE

GREEN LANES,

FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.

Telephone: Stamford Hill 2688.

For further particulars apply to the MEDICAL SUPERINTENDENT.

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Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

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For Mental Cases with or without Certificates.

Ordinary Terms: Five Guineas per week (including Separate Bedrooms for all suitable cases without extra charge).

For forms of admission, &c., apply to the Resident Physician, CEDRIC W. BOWER.

INTERVIEWS IN LONDON BY APPOINTMENT.

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For LADIES and GENTLEMEN of Unsound Mind.

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Only bright and intelligent boys and girls are eligible for admission.

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25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the Matron. **RESIDENT MEDICAL SUPERINTENDENT,** E. G. MORRIS, L.R.C.S.I., L.R.C.P.I.

CHISLEHURST 451

OLD HILL HOUSE

CHISLEHURST, KENT.

CHISWICK HOUSE,

PINNER, MIDDLESEX.

Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

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A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

Voluntary, Temporary, and Certified Patients received.

For further particulars apply—

Dr. ERNEST ROLLINS, Resident Physician.

Tel.: Amherst 1612

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CLAPHAM PARK, LONDON

Situated in 3½ acres of secluded gardens.

HOME FOR TWELVE MENTAL PATIENTS (LADIES).

Well-appointed private house. Home comforts and Trained Nursing Staff. Eminent Mental Specialist. Visiting Physician.

Station: Clapham Common Tube.

Phone: Tulse Hill 4913

Apply MISS THWAITES.

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FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS

(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO FIVE GUINEAS PER WEEK.

For further particulars apply to the Medical Director, W. J. T. KIMBER, L.R.C.P., D.P.M.

ST. ALBANS, HERTS

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An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, Farm Produce, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

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A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

BARNWOOD HOUSE, GLOUCESTER.

A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all other parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 300 acres. Voluntary Patients of both sexes also are received for treatment. Special accommodation is also provided at five villa residences, all of which stand in their own grounds and are entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Physician Superintendent.

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FARMING and OPEN AIR OCCUPATION for PATIENTS

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Started 35 years ago by the late Mrs. William Archer for the special treatment of **FUNCTIONAL NERVOUS DISORDERS** by a system of Relaxation correlated with training in Nerve Control. Home life in separate houses in charming grounds; 20 miles from London; Chalets for resting. Eurhythmics, Voice Production, Occupational Therapy, etc. Telephone: King's Langley 7519. Lessons and Treatments in the art of Relaxation can also be obtained at the "**FRANCES ARCHER**" Centre, 30, Dorset Sq., N.W.1 (near Baker St. Stn.), Weds. and Sats. 10–1 p.m., 2–5.30 p.m. Tel.: Ambassador 2864. All applications to the Secretary, King's Langley.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

STRETTON HOUSE,

Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

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KREUZLINGEN — SWITZERLAND

for Nervous and Mental cases

as well as all kinds of addiction

(Insulin shock treatment)

Doctor in charge: DR. LUDWIG BINSWANGER

Prospectus on application to the Management

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. MCCLINTOCK, Proprietor and Resident Medical Superintendent.

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ITALY'S FAMED HEALTH CENTRE

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Over 250 Hotels and Pensions of every description

All the attractions of a world-Spa ● Railway Reductions

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Smedley's Great Britain's Greatest Hydro Matlock

Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Studs Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

Resident Physician: H. RHYS DAVIES, B.A., M.B., B.Ch., B.A.O.

TERMS, 13s. to 18s. per day, include Turkish and other Baths.

Illustrated Brochure C.J. on request.

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BAD - NAUHEIM

40 minutes from Frankfurt-on-Main. From Victoria 18 hours

Affections of the Heart and Blood-vessels, Rheumatism, Nervous Disorders, Catarrhs

The action of naturally-warm carbonic-acid springs with saline contents, combined with first-class medical service.

BAD-NAUHEIM possesses in its Balneological Institute and in the William G. Kerckhoff-Institute a combined place of research on affections of the heart and blood-vessels, which provides the theoretical foundations and the scientific guarantee for the treatment of these ailments.

GOLF, SHOOTING, Etc.

Special terms for physicians and their families

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ABERGELE, NORTH WALES
Modern Spa Treatments, including Continental Pistany Mud and Scotch Douche, for Rheumatic and similar disabilities
Resident Physician
Excellent amenities and Recreational facilities

London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned positions. Candidates must have held resident appointment in a general hospital for at least six months. Married quarters not available :—

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ASSISTANT MEDICAL OFFICERS (Class II).—Salary £250 a year, together with board, lodging, and washing. Appointment for one year only in first instance (renewable for a second year under certain conditions).

(*b*) HIGHGATE HOSPITAL, Dartmouth Park-hill, N.19.—Medical duties and anæsthetics.

(*c*) LEWISHAM HOSPITAL, Lewisham, S.E.13.—Duties mainly medical.

*(*d*) NEW END HOSPITAL, Hampstead, N.W.3.—Duties mainly medical, experience in anæsthetics essential.

(*e*) NORWOOD HOSPITAL FOR CHILDREN, Elder-road, West Norwood, S.E.27.—Duties mainly medical. Children's experience desirable. Only women candidates eligible.

(*f*) PADDINGTON HOSPITAL, Harrow-road, W.9.—General duties.

(*g*) ST. MARY, ISLINGTON, HOSPITAL, Highgate-hill, N.19.—Duties mainly obstetrical and gynæcological.

* No accommodation for a woman.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 17th April.

Canvassing disqualifies.

London County Council.

ASSISTANT DISTRICT MEDICAL OFFICERS required for :

(1) AREA VII, DISTRICT K (Part of West Battersea).
(2) AREA VII, DISTRICT S (Part of West Battersea).
(3) AREA IX, DISTRICT C (Part of Deptford).

Provisional salaries : (1) £175 ; (2) £150 ; (3) £150. Persons appointed required to reside in or near particular district.

Application form with further particulars (stamped, addressed foolscap envelope necessary) from Medical Officer of Health (Staff Division 2), County Hall, S.E.1, returnable by 17th April.

Canvassing disqualifies.

King George Hospital, Ilford (near London). (207 Beds.)

HOUSE SURGEON (Male) required for six months from 1st May. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 20th April.

(Signed) G. AUSTIN HEPWORTH,
Secretary and Superintendent.

The Hospital for Sick Children, Great Ormond-street, London, W.C.1.

An OUT-PATIENT MEDICAL REGISTRAR (part-time and non-resident) is required on the 8th May, 1939. Salary £150 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

Candidates must possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 1st May, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 3rd May, 1939.

Full instructions and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

April, 1939.

University of London.—The Senate

invite applications for the UNIVERSITY CHAIR OF OBSTETRICS AND GYNÆCOLOGY tenable at the London (Royal Free Hospital) School of Medicine for Women. Salary £2000 a year.

Applications (twelve copies) must be received not later than first post on 16th May, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

London Hospital, E.1.

There is a vacancy for the post of HONORARY ASSISTANT PHYSICIAN to the DEPARTMENT OF PHYSICAL MEDICINE. Candidates must be either Members of the Royal College of Physicians in London, or Fellows of the Royal College of Surgeons of England.

An honorarium is attached to the post.

Applications, with copies of testimonials, should be sent to the House Governor, from whom further particulars may be obtained, and should arrive not later than first post on Saturday, 22nd April.

ARTHUR G. ELLIOTT, House Governor.

Middlesex County Council.

NORTH MIDDLESEX COUNTY HOSPITAL,
Silver-street, Edmonton, N. 18.

ASSISTANT MEDICAL OFFICER, registered Medical Practitioner with considerable all-round experience and as House Physician and House Surgeon. Whole-time duties in casualty and receiving room under supervision of Medical Superintendent. Hours, 10 A.M. to 6 P.M., excluding Saturday afternoons and Sundays. Appointment, subject to medical examination and one month's notice. Preservation of pension rights under certain Acts. Salary £350 per annum, with board, lodging, and laundry, or if non-resident, £100 cash allowance. Apply as below by 15th April, 1939.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER, registered Medical Practitioner with resident appointment in general hospital. Whole-time duties (mainly obstetrical and gynæcological) under supervision of Medical Superintendent. Salary £250 per annum, with board, lodging, and laundry. Appointment on unestablished staff subject to Standing Orders. Medical examination in connexion with Superannuation Scheme where applicable. Apply as below by 22nd April, 1939.

CENTRAL MIDDLESEX COUNTY HOSPITAL,
Acton-lane, Willesden Junction, N.W.10.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER, registered Medical Practitioner with resident appointment in general hospital. Whole-time duties under supervision of Medical Superintendent. Salary £250 per annum, with board, lodging, and laundry. Appointment on unestablished staff subject to Standing Orders. Medical examination in connexion with Superannuation Scheme where applicable. Apply as below by 22nd April, 1939.

All three appointments primarily for six months but may be extended for further six months.

Written applications, enclosing copies of not more than three recent testimonials, to the undersigned.

Canvassing, direct or indirect, disqualifies.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of RADIOLOGIST (part-time).

Applicants must be registered Medical Practitioners, who hold a Diploma in Radiology.

The duties of the post will be entirely in connexion with the diagnostic section of the Radiological Department.

Salary at the rate of £400 per annum for 5 sessions per week.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned, not later than first post Monday, 17th April, 1939.

CLEMENT COBBOLD, Secretary.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

There is a vacancy for the post of CHIEF CLINICAL ASSISTANT IN THE X-RAY (DIAGNOSTIC) DEPARTMENT. Salary at the rate of £125 a year. The appointment in the first instance is for a period of 12 months and, subject to the re-election, may be continued for further periods. Candidates must be duly qualified registered Medical Practitioners and have had experience of Radiological work, especially X ray diagnosis.

Attendance of four sessions a week will be required.

Applications, accompanied by copies of testimonials, must reach me not later than, first post, Tuesday, April 11th. Candidates must attend a Meeting of the Medical Council at 4.30 P.M. on Friday, 14th April. The appointment will be made by the House Committee at a meeting at 5 P.M. the same day.

H. A. MADGE, Secretary.

Paddington Green Children's Hospital

(Incorporated), London, W.2.

Applications are invited for the post of HONORARY RADIOLOGIST to the Hospital.

Information as to the duties, &c., may be obtained from the undersigned, to whom applications must be forwarded as soon as possible.

JAMES A. HAMLIN, Secretary.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

Westminster Hospital, Broad Sanctuary, London, S.W.1.

Consequent upon the opening of the new and enlarged Westminster Hospital, several additional offices will be created, and applications are accordingly invited for the undermentioned appointments for duty commencing 1st July, 1939.

Candidates are required to attend the House Committee on Tuesday, 25th April, 1939, at 4.30 P.M.

Forty copies of applications, accompanied by forty copies of three recent testimonials, should be addressed to the undersigned, from whom full particulars of the appointments may be obtained, on or before Saturday, 22nd April, 1939.

The appointments are Honorary and open to Male candidates only.

ASSISTANT ORTHOPÆDIC SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England. The appointment is subject to annual re-election.

ASSISTANT OBSTETRIC SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England. The appointment is subject to annual re-election.

DENTAL SURGEON.

Candidates must be registered Medical Practitioners, duly qualified and registered as Dentists under the Medical Act. The appointment is subject to annual re-election.

ANÆSTHETIST.

Candidates must be registered Medical Practitioners and engaged exclusively in the administration of anæsthetics. The appointment is subject to annual re-election. (The present Anæsthetic Registrar is a candidate for the office.)

ASSISTANT PHYSICIAN TO THE RADIOLOGICAL DEPARTMENT (Diagnostic).

Candidates must be registered Medical Practitioners and hold a diploma in Radiology. The appointment is subject to annual re-election.

By order of the House Committee.

CHARLES M. POWER, Secretary.

London Hospital, E.1.

Applications are invited for the post of MEDICAL OUTPATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Medical Outpatient Department on every weekday afternoon.

Applications, with copies of testimonials, should be sent to the House Governor from whom further particulars may be obtained and should arrive not later than on Saturday, the 22nd April.

ARTHUR G. ELLIOTT, House Governor.

London Hospital, E.1.

There is a vacancy for the post of HONORARY ASSISTANT ANÆSTHETIST. Candidates are required to hold the Diploma in Anæsthetics of the Royal Colleges of Physicians and Surgeons.

Applications, with testimonials, should be sent to the House Governor, and should arrive not later than on Saturday, 29th April, 1939.

A. G. ELLIOTT, House Governor.

London Hospital, E.1.

Applications are invited for the post of SURGICAL OUTPATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Surgical Outpatient Department on every weekday afternoon.

Applications, with copies of testimonials, should arrive at the Hospital not later than by the first post on Saturday, 22nd April.

Further particulars may be obtained from the House Governor.

ARTHUR G. ELLIOTT, House Governor.

Metropolitan Borough of Lambeth.

DEPUTY MEDICAL OFFICER OF HEALTH.

The Lambeth Borough Council invite applications from fully qualified Male and Female Medical Practitioners for the appointment of Deputy Medical Officer of Health at an inclusive salary of £840 per annum, rising by annual increments of £40, due on the 1st April in each year, to a maximum of £960 per annum.

Candidates must not be more than forty years of age on the 25th May, 1939, and must possess the qualifications prescribed by the Public Health (London) Act, 1936, and the Sanitary Officers Order, 1926. All other things being equal it will be an advantage if a candidate possesses qualifications indicating a special interest and experience in maternity and child welfare work. The officer appointed will be required to devote the whole of his or her time to the duties of the office, to contribute to the Council's Superannuation Fund, and to submit himself or herself for medical examination, the appointment being subject to the report being satisfactory. The appointment will also be subject to the approval of the Minister of Health.

Applications on forms to be obtained from the undersigned, endorsed "Deputy Medical Officer," accompanied by copies of three testimonials of recent date, are to be delivered by noon on Monday, the 24th April, 1939.

Canvassing, either directly or indirectly, will disqualify a candidate.

O. L. ROBERTS, Town Clerk.

Lambeth Town Hall, Brixton Hill, S.W.2, 31st March, 1939.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of full-time SENIOR ASSISTANT RADIOLOGIST for the Therapeutic Section of the Radiological Department.

Applicants must be registered Medical Practitioners who hold a Diploma in Radiology.

Salary at the rate of £450 per annum, rising to £500 per annum in the second year.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned not later than the first post on Monday, 17th April, 1939.

CLEMENT COBBOLD, Secretary.

The North Western Child Guidance

CLINIC, Sheldon Lodge, Sheldon-road, N.W.2.

Required a PSYCHIATRIST to work four sessions a week. Payment at the rate of £160 per annum.

Application with particulars of experience to be sent to the Medical Director.

St. Mary's Hospital, W.2.

CASUALTY HOUSE SURGEON.

Applications are invited for the above post from duly qualified candidates. Candidates must have been House Surgeons for a full period of office to this Hospital, or to some other General Hospital approved by the Board.

The salary is £100 per annum, with board and residence, and the appointment is for six months.

Applications, with copies of testimonials, not exceeding three in number, should reach the undersigned (from whom particulars may be obtained) on or before Wednesday, 19th April, 1939.

W. PARKES, House Governor.

Dreadnought Hospital,

Greenwich, S.E.10. (Seamen's Hospital Society.)
(257 Beds.)

HOUSE PHYSICIAN required immediately for the period ending 30th June. Salary £110 per annum and a proportion of fees, with board, residence, and laundry.

Candidates must be Male and single.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

F. A. LYON, Secretary.

1st April, 1939.

Woolwich and District War Memorial

HOSPITAL, Shootêrs-hill, London, S.E.18.

General Hospital. 112 Beds.

The Board of Management invites applications from suitably qualified Male candidates for the post of HOUSE PHYSICIAN for six months from the 1st of May, 1939. Remuneration will be at the rate of £100 per annum.

The closing date for the receipt of applications (which should be made on the prescribed form obtainable from the undersigned) is Monday, April 24th, and short-listed candidates will be invited to meet the Appointments Committee on Friday, April 28th, 1939.

R. S. G. HUTCHINGS, Secretary.

The Royal Hospital, Wolverhampton.

(Incorporated under Charter.)

HOUSE SURGEON required for FRACTURE AND ORTHOPÆDIC DEPARTMENT. Duties to commence forthwith.

The Hospital contains 300 beds, includes the usual special departments and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

City of Salford.

INFECTIOUS DISEASES HOSPITAL. (300 Beds.)

Applications are invited for the post of JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER (Male). Salary £200 per annum, plus board, residence, and laundry. The appointment will be for one year.

Form of application may be obtained from the Medical Officer of Health, 143, Regent-road, Salford, 5, to whom it must be returned endorsed "Junior Assistant Resident Medical Officer" not later than 14th April, 1939.

H. H. TOMSON, Town Clerk.

Warwickshire Voluntary Hospitals

COUNCIL.

APPOINTMENT OF VISITING FRACTURE AND ORTHOPÆDIC SURGEON TO THE COVENTRY AND WARWICKSHIRE HOSPITAL.

Applications are invited for the above appointment.

Candidates must hold the degree of Master of Surgery of a University of the United Kingdom, or be Fellows of one of the Royal Colleges of Surgeons of England or Edinburgh, and must have had previous experience in this branch of Surgery.

The successful candidate will be required to organise and develop a Fracture service on the lines indicated in the Interim Report of the Interdepartmental Committee on Fractures appointed by the Ministry of Health and will be required to practise as a Consultant in Fractures and Orthopædics only.

The appointment will be for a period of five years in the first instance, and will carry an honorarium at the rate of £600 per annum.

Applications, stating full particulars as to age, qualifications, and previous experience, and accompanied by copies of testimonials, and must reach the undersigned not later than Monday, April 24th, 1939.

(Signed) S. CECIL HILL, Hon. Secretary,
House Governor's Office,
Coventry and Warwickshire Hospital.

Buckinghamshire County Council.

DEPUTY COUNTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners, not over forty years of age, holding a registrable qualification in Public Health, Sanitary Science, or State Medicine for the appointment of Deputy County Medical Officer of Health and School Medical Officer for the Administrative County of Buckingham, at a commencing salary of £750 per annum, rising, subject to satisfactory service, by annual increments of £25 to £900 per annum.

The successful applicant will be required to pay contributions under the Local Government Superannuation Act, 1937, and to pass a medical examination as to physical fitness.

Particulars and conditions of the appointment are set out on the form of application, which can be obtained from the undersigned.

Applications, on the prescribed form, accompanied by copies of not more than three recent testimonials, which will not be returned, should be addressed to the County Medical Officer, and delivered at the County Offices, Aylesbury, not later than 11 A.M. on Tuesday, 25th April, 1939, marked "Deputy County Medical Officer."

GUY R. CROUCH, Clerk of the Bucks County Council.
County Hall, Aylesbury, April, 1939.

Nottingham General Hospital.

(389 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undermentioned immediately.

Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

The Children's Hospital, Sheffield.

(157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 28th April, 1939.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

Essex County Council.

TEMPORARY TUBERCULOSIS OFFICER required early in June for holiday duties for approximately four months, at a fee of £12 per week, inclusive of travelling expenses.

Applications, stating age, qualifications, and experience together with copies of three recent testimonials, should be addressed and delivered to the Clerk of the County Council, County Hall, Chelmsford, not later than 10 A.M. on Thursday, 20th April, 1939.

Newark General Hospital.

(66 Beds.)

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male). Salary at the rate of £175 per annum, with board, residence, and laundry. The appointment is for six months, and may be renewed for a further term of six months. Duties to commence on or about April 30th, 1939.

Applications, stating age and hospital experience, together with copies of three recent testimonials, should be forwarded to the undersigned immediately.

B. C. DION, Secretary-Superintendent.

Kent County Mental Hospital,
MAIDSTONE.

FIRST ASSISTANT MEDICAL OFFICER (Male) required. Commencing salary £475 per annum, rising by one increment of £25 to £500 per annum, with residential emoluments, valued for superannuation purposes at £209 per annum. Unfurnished quarters are available for a married officer, for which a charge will be made and emoluments will be paid in cash and adjusted accordingly.

An additional £50 per annum is paid to the Medical Officer when in possession of a Diploma in Psychological Medicine granted or recognised by any University or College of Physicians and Surgeons in the United Kingdom.

The appointment is pensionable under the Asylums Officers' Superannuation Act, 1909.

Candidates must be fully qualified, registered, and not more than thirty five years of age.

Applications, giving full particulars of previous experience, with copies of three recent testimonials, and endorsed "First Assistant Medical Officer" on envelope, should be sent to the Medical Superintendent of the Hospital at an early date.

City of Plymouth.

MEDICAL OFFICER OF HEALTH'S DEPARTMENT.

THE CITY ISOLATION HOSPITAL.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (unmarried, Male) for the above appointment, which is for a period of twelve months, terminable by one month's notice on either side.

The salary will be at the rate of £300 per annum, with full residential emoluments, and any fees received by the Officer must be refunded to the Council.

The successful candidate will be required to work under the direction of the Medical Superintendent and will devote the whole of his time to official duties, which will consist mainly of work in the hospital and assisting at certain venereal diseases clinics.

In addition to the above he will be required to perform any other duties allotted to him from time to time by the Medical Officer of Health.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must reach the undersigned not later than Monday, 24th April, 1939.

T. PEIRSON, Medical Officer of Health.

Town Hall, Stonehouse, Plymouth.

The Radcliffe Infirmary, Oxford.

Applications are invited for the post of full-time ASSISTANT RADIOLOGIST in the above hospital.

Candidates must be registered Medical Practitioners and must hold a Diploma in Radiology.

The appointment will be for one year in the first instance, with salary at the rate of £450 per annum.

Applications, with copies of testimonials, must be sent to the undersigned not later than 1st May, 1939.

A. G. E. SANCTUARY, Administrator.

April, 1939.

Southend-on-Sea General Hospital.
(250 Beds. 8 Residents.)

Applications are invited for the post of
RESIDENT ANÆSTHETIST (Male).

Duties to commence on 1st May. The appointment is for six months (renewable). Salary £125 per annum, with board, residence, and laundry.

Applications, with copies of two recent testimonials, should be sent to the undersigned not later than 15th April.

P. H. CONSTABLE, Secretary.

Durham County and Sunderland Eye
INFIRMARY.

HOUSE SURGEON required immediately. Must have Ophthalmic experience. Salary £350 per annum. Non-resident. Must devote whole time to the duties of the Institution.

Applications, with copies of recent testimonials, to be sent to S. RIDDLES, Eye Infirmary, Stockton-road, Sunderland.

Royal Hampshire County Hospital,
WINCHESTER.
(187 Beds, 5 Resident Officers.)
Hospital recognised by the Royal College of Surgeons, England.

HOUSE PHYSICIAN.

Applications are invited from fully qualified Men for the above post, to take up duties on the 1st May next. Six months' appointment. Salary £100 per annum, with board, residence, and laundry.

Candidates, who must be of British Nationality, to make application to the undersigned, enclosing copies of three testimonials.

H. EWART MITCHELL, Superintendent and Secretary.

1st April, 1939.

Royal West Sussex Hospital, Chichester.
(114 Beds, including 12 in Private Patients' Block.)
2 Residents.

SENIOR and JUNIOR HOUSE SURGEONS required. Salary at the rate of £175 and £125 per annum respectively, with board, residence, and laundry.

Applications, stating age, nationality, and qualifications should be sent to the undersigned as soon as possible, accompanied by copies of not less than three recent testimonials.

J. COXON INCE, Secretary.

OCEAN ISLAND
GILBERT AND ELLICE ISLANDS COLONY, CENTRAL PACIFIC

Applications are invited from gentlemen (of British Nationality) for the post of ASSISTANT MEDICAL OFFICER at Ocean Island, to commence duty as soon as possible.

Term of agreement 3½ years. Salary £550 per annum for first 21 months, £600 per annum for second 21 months. Free board and messing (or allowance in lieu thereof—present allowance £9 per month). Salary £750 per annum when acting as Senior Medical Officer. All these rates are Australian currency, but arrangements can be made for the selected candidate to draw up to one-third of earnings free of exchange in London. Ocean passages by One Class liner will be provided. At the end of 21 months, 2 months' leave will be granted in Australia or New Zealand. On completion of agreement and if to be re-engaged, 3 months in England on full pay. If not re-engaged on completion of agreement, 2 months' pay in lieu of holiday. Half-pay on voyage out and back if agreement completed. Age limit 30 years. Qualifications are—British Nationality, British University degree. Member of B.M.A.

The fully equipped hospital, which includes an X ray plant, is specially designed for the Tropics and for the treatment of patients of the European Staff (including their wives and families), Chinese and Native Labourers employed by the Commission. A qualified Dispenser and two fully trained certificated Nurses are attached to the hospital.

The selected candidate will be provided with a furnished house, electric lighting, ice, and laundry free of charge. The Island is British and is about 10 days' sail from Melbourne.

The industry of the Island is the mining and shipping of phosphate. The temperature is tempered by sea breezes and rarely exceeds 90 degrees in the shade. A cricket ground, tennis court (flood-lighting is provided for night playing), golf course, and good sea bathing add to the amenities of life at Ocean Island.

The post presents a very good opportunity to any young graduate desiring tropical experience on an Island where the living conditions will allow a considerable portion of the salary to be saved.

Applications, with copies of testimonials, should be forwarded as soon as possible to The London Manager, The British Phosphate Commissioners, 2, Grosvenor-gardens, London, S.W.1.

Eversfield Chest Hospital,
ST. LEONARDS-ON-SEA.

ASSISTANT RESIDENT MEDICAL OFFICER, unmarried, from 1st May, 1939. Salary commencing at the rate of £150 per annum, with board, residence, and laundry. Candidates must be fully qualified in Medicine and Surgery, and previous experience in Tuberculosis and Bacteriological work will be an advantage.

Applications, stating age, qualifications, and experience (with one copy of three recent testimonials), to be sent to the Medical Superintendent not later than 20th April.

Rotherham Hospital.

Wanted, HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Nottingham Hospital for Women.

HONORARY ASSISTANT SURGEON.

The Committee of Management invite applications for the post of Honorary Assistant Surgeon to the Nottingham Hospital for Women. Candidates must hold a Senior Surgical or Gynæcological qualification.

Applications accompanied by forty copies of recent testimonials should reach the undersigned by Saturday, May 6th.

A. L. MORELL, Secretary.

Hospital for Women, Peel-street, Nottingham.

City of Lincoln.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited for the appointment of an Assistant Medical Officer of Health and Assistant School Medical Officer (Man or Woman). Salary £500–£25–£700.

Further particulars and forms of application should be obtained from the Medical Officer of Health, Health Department, Beaumont Fee, Lincoln.

C. W. HOOTON, Director of Education.

4 Lindum-road, Lincoln.

Surrey County Council.

ASSISTANT MEDICAL OFFICER.

Applications are invited for the appointment of Assistant Medical Officer (Male). Applicants must possess a qualification in Public Health. The main duties will be in connexion with the School Medical and Maternity and Child Welfare Services, but the officer appointed will be required to undertake such other Public Health duties as may be allocated to him. He will be on the staff of the County Medical Officer of Health, must reside in the County of Surrey, and devote his whole time to the work.

Salary £600 per annum, rising by annual increments of £25 to £700 per annum. Travelling expenses in accordance with the Council's scale will be allowed.

The appointment will be subject to the approval of the Ministry of Health and the Board of Education, to the successful candidate passing a medical examination, to the provisions of the Local Government and other Officers' Superannuation Act, 1922, and to the Staffing Regulations of the Council, which provide, inter alia, that appointment may be determined at any time by three months' notice.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be made on the prescribed form and sent to the County Medical Officer of Health, County Hall, Kingston-upon-Thames, from whom copies of the application from may be obtained, and to whom any inquiries relating to the appointment should be addressed.

Last day for receipt of applications, Friday, 14th April, 1939.

Canvassing, directly or indirectly, will disqualify.

DUDLEY AUKLAND, Clerk of the County Council.

County Hall, Kingston-upon-Thames, 25th March, 1939.

Lancashire County Council.

PARK HOSPITAL, DAVYHULME,
Near MANCHESTER.

APPOINTMENT OF RESIDENT MEDICAL OFFICERS.

Applications are invited from registered Male Medical Practitioners (unmarried), for the following appointments:—

(a) ASSISTANT RESIDENT MEDICAL OFFICER to be attached to the Obstetrical, Gynæcological, and Surgical Units. Salary £300 per annum.

(b) JUNIOR ASSISTANT RESIDENT MEDICAL OFFICER. Salary £250 per annum.

The usual residential allowances are provided.

The appointments will, in the first instance, be for a period of six months, the successful applicants being eligible for reappointment for a further period of six months at the end of that period.

The hospital comprises 500 beds for acute cases, is fully equipped in every respect and is recognised as a complete Training School for Nurses.

The appointments will be terminable by one month's notice on either side.

Forms of application may be obtained from the County Medical Officer of Health, Hospital and Medical Department, County Offices, Preston, to whom all applications, accompanied by copies of not more than two recent testimonials, must be forwarded so as to be received not later than Tuesday, 18th April, 1939.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 27th March, 1939.

Bedford County Hospital.

Wanted CASUALTY OFFICER to take over duties on April 1st for a term of not less than six months. Must be Male, unmarried, and fully qualified. Salary £150 per annum, with board, lodging, and laundry.

Applications, stating age, nationality, and qualifications, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Lanchester Joint Hospital Board.

MEDICAL SUPERINTENDENT—INFECTIOUS DISEASES HOSPITALS.

Applications are invited for the appointment of a full-time Medical Superintendent.

The appointment in the first instance will be in respect of the Board's existing Infectious Diseases Hospitals (four in number, one of which is for smallpox) and will be non-resident until the New Hospital of 144 beds now in the course of construction is ready when the appointment will become resident, subject to satisfactory service.

Salary at the rate of £750 per annum, with increments every two years of £50 to a maximum of £937 10s. per annum. On the appointment becoming resident the salary will be reduced by the value of the emoluments.

Candidates must be registered Medical Practitioners and have had experience of bacteriological work as well as practical knowledge of the work and administration of Infectious Diseases Hospitals.

Intending candidates are asked to communicate with the undersigned for further particulars before sending in their applications.

Applications, stating age, experience, and present appointment, accompanied by copies of not more than three recent testimonials, to be addressed to me and delivered at my office not later than first post on Friday, April 28th, 1939.

J. J. S. BARKER, Clerk to the Board.

Lanchester, Co. Durham, March 28th, 1939.

City of Manchester.

BOOTH HALL HOSPITAL FOR CHILDREN.
(760 Beds.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above-named hospital.

The salary for the appointment is £400 per annum, rising by £25 annually to a maximum of £450 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Applicants must hold a higher qualification in surgery, and must have had previous experience in residential hospital posts.

Full information and forms of application may be obtained from the Medical Officer of Health, Box No. 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than April 22nd, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 28th March, 1939.

County Borough of Walsall.

MANOR HOSPITAL.

JUNIOR ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified persons for the appointment of Junior Assistant Medical Officer (resident). The appointment will be for a period of twelve months and the salary is at the rate of £150 per annum, together with the usual emoluments.

The person appointed will be required to act under the general direction of the Medical Superintendent and carry out work in the Children's Department and for anæsthetics.

Applications, stating age, professional qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be sent to the Medical Officer of Health, Health Department, Council House, Walsall, not later than 15th April, 1939.

30th March, 1939.

Manchester Ear Hospital,

Grosvenor-square, All Saints'.

The Board invite applications for the post of Non-resident HOUSE SURGEON. Salary at the rate of £150 per annum, with partial board. Appointment six months. 31 Beds.

Candidates must be duly qualified and registered.

Applications, with copies of four recent testimonials, to be forwarded to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), c/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

City and County of Bristol.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Corporation of Bristol invite applications for the post of Assistant Medical Officer of Health. Salary £500, rising by annual increments of £50 to £700 per annum.

The gentleman appointed will be required to devote the whole of his time to his duties and will not be allowed to engage in private practice. He will work under the direction of the Medical Officer of Health in school medical and city health departments, also in the port and in the inspection of aliens if appointed to do so by the Ministry of Health.

The appointment will be subject to the provisions of the Local Government and Other Officers' Superannuation Act, 1922. The diploma of public health is essential.

Application forms and particulars of the duties of the post may be obtained from the Medical Officer of Health, 40, Prince-street, Bristol, 1, to whom they must be returned accompanied by not more than three recent testimonials not later than the 14th April, 1939. Envelopes should be endorsed "Assistant Medical Officer of Health." Canvassing will disqualify.

JOSIAH GREEN, Town Clerk.

The Council House, Bristol, 1, March, 1939.

Rochdale Infirmary and Dispensary.

(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary, endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

The Chester Royal Infirmary.

(225 Beds.)

Applications are invited for the post of HOUSE SURGEON (Male) to the ORTHOPÆDIC DEPARTMENT, to take up duty on the 1st May, 1939. Salary £150 per annum, with board, lodging, and laundry.

Application list closes 19th April, 1939.

Application forms may be obtained from:—

W. H. GRACE, M.D., M.R.C.P.

Surrey County Council.

BOTLEYS PARK COLONY, CHERTSEY, SURREY.

APPOINTMENT OF JUNIOR ASSISTANT MEDICAL OFFICER (either sex).

Applications are invited from registered Medical Practitioners for the post of Junior Assistant Medical Officer at the above-named newly-erected Colony for mental defectives. The appointment is subject to the provisions of the Asylums and Certified Institutions (Officers' Pension) Act, 1913, and to the Council's Staffing Regulations.

Experience in a Mental Hospital or Mental Deficiency Institution is not essential, but preference will be given to those who have held appointments of House Physician or Surgeon at a General Hospital.

The person appointed will be required to pass a medical examination.

Salary £350 per annum, rising by annual increments of £25, to £450 per annum, with usual residential emoluments valued for superannuation purposes at £150 per annum. The possession of a diploma or degree in Psychological Medicine will entitle the holder to an extra £50 per annum.

Applications, on forms to be obtained from the Medical Superintendent, accompanied by not more than three recent testimonials, should be returned to him not later than Saturday, the 22nd April, 1939.

DUDLEY AUKLAND, Clerk of the Council.

30th March, 1939.

Stoke-on-Trent Corporation.

LONDON ROAD HOSPITAL.

RESIDENT ASSISTANT MEDICAL OFFICERS (Two).

Applications are invited from registered Medical Practitioners for appointments of Resident Assistant Medical Officer (Male) at the London-road Hospital, Stoke-on-Trent, at a salary of £250 per annum, with board, residence, laundry, &c., all fees received to be paid to the Council. Candidates must be single.

There are two vacancies, one on the medical wards and the other on the surgical wards, and applicants must have had at least one year's previous hospital experience. The Hospital comprises approximately 800 Beds. The appointments (which will be determinable by one month's notice on either side) will be for a period of one year, and preference will be given to candidates who are reading for higher qualifications.

The appointments will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be delivered to the undersigned immediately.

E. B. SHARPLEY, Town Clerk.

Public Assistance Offices, Kingsway, Stoke-on-Trent.

Cheltenham General and Eye Hospitals.

176 Beds. 4 Residents.

Recognised for the F.R.C.S., D.L.O., and D.O.M.S. Examinations.

Applications are invited for the post of HOUSE SURGEON (Male) for the EYE, EAR, NOSE AND THROAT DEPT. (28 Beds —12,000 out-patient attendances annually).

Vacant 1st May, 1939.

Candidates must be of British Nationality and fully qualified.

Salary £150 per annum, with board, lodging, and laundry.

Applications, with copies of testimonials, to be sent in sealed envelopes marked "House Surgeon" to the undersigned as soon as possible.

J. CUMMING SMITH, F.C.I.S., F.H.O.A., Secretary.

The General Hospital, Cheltenham, 3rd April, 1939.

Nottingham and Midland Eye INFIRMARY.

RESIDENT HOUSE SURGEON (Male) required, 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

County Borough of Wolverhampton.

NEW CROSS HOSPITAL. (350 Beds.)

ASSISTANT MEDICAL OFFICER (Male).

Applications are invited from registered Medical Practitioners (unmarried) for the above post, which is for a period of one year and not renewable.

Salary at the rate of £200 per annum, together with full residential emoluments.

Experience in the administration of anæsthetics and as House Surgeon will be deemed additional assets.

Applications, stating age, experience, qualifications, and nationality, together with copies of three recent testimonials should be addressed to—

F. W. HAND,
Public Assistance Offices,
Stafford-street, Wolverhampton.

Manchester Royal Infirmary.

APPOINTMENT OF AN HONORARY ASSISTANT AURAL SURGEON.

The Board of Management invite applications for the above appointment.

Candidates must be Graduates in Medicine of a British or Irish University or a Fellow of one of the Royal Colleges of Surgeons of the United Kingdom.

Candidates are required to forward diplomas, original testimonials and a certificate of age with their applications, addressed to the Secretary, on or before Thursday, 27th April, 1939, from whom also a copy of the rules can be obtained. Candidates are required to furnish 45 copies of their application and dated testimonials, addressed to the Secretary for distribution prior to the Meeting of the Committee.

Canvassing, directly or indirectly, is forbidden and the Committee reserve to themselves the right, on proceeding to election, to take into consideration, any complaint that canvassing on behalf of any candidate has taken place.

By order.

F. J. CABLE, General Supt. and Secretary.

27th March, 1939.

General Hospital, Nottingham.

(389 Beds.)

ORTHOPÆDIC AND FRACTURE DEPARTMENT.

A HOUSE SURGEON (Male) is required for the above Department. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry. Experience in the treatment of fractures desirable.

Candidates are asked to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned not later than April 14th. Duties to commence on May 17th.

HENRY M. STANLEY, House Governor and Secretary.

The Welsh National School of Medicine.

(UNIVERSITY OF WALES.)

A DEMONSTRATOR is required in the DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY of the Welsh National School of Medicine, Cardiff.

The appointment is a temporary one for a period not exceeding two years at a salary at the rate of £250 per annum. The person appointed will be required to commence duties on July 1st, 1939.

Further particulars may be obtained from the undersigned by whom applications, accompanied by copies of not more than four testimonials, must be received by Wednesday, April 19th, 1939.

S. C. EDWARDS, Secretary.

Welsh National School of Medicine,
The Parade, Cardiff.

The Royal Albert Institution for the FEEBLE-MINDED, LANCASTER.

Wanted, a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Male), registered, unmarried. Dental experience essential, and knowledge of refraction work an advantage. Commencing salary £375, if also qualified in Dentistry £425, with emoluments valued at £120 a year for superannuation purposes.

Applications, accompanied by copies of three recent testimonials and with two personal references, to the Medical Superintendent not later than Saturday, 15th April, 1939.

Wonford House Registered Hospital, EXETER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Male, single) at a commencing salary of £350 per annum, increasing by annual increments of £30 to £500 per annum, together with board, lodging, and laundry. An additional £50 per annum will be paid for the possession of the Diploma in Psychological Medicine. Previous mental hospital experience is desirable.

Applications, stating age, nationality and accompanied by copies of three recent testimonials, should be sent to the Medical Superintendent not later than 12th April, 1939.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.
(84 Beds.)

A Woman Resident Medical Officer is required for a period of six months. Duties to commence on 5th of June.

Applicants should have had previous experience as a Resident House Physician, preferably in a Children's Hospital.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham 3, and returned to him on or before April 22nd.

Education Committee for the County
BOROUGH OF BRIGHTON.

APPOINTMENT OF MALE SENIOR MEDICAL OFFICER AND ASSISTANT TO THE MEDICAL OFFICER OF HEALTH.

Applications are invited for the above appointment. Candidates must have experience of the School Medical Services, possess the Diploma in Public Health, or its equivalent, and be approved by the Board of Education for Mental Deficiency work.

The Senior Medical Officer will act under the supervision of the School Medical Officer and will be required to devote his whole time to the service of the Authority; he will not be allowed to undertake any private practice and will be required to reside in the borough of Brighton.

Salary £750, rising by biennial increments, three of £50 and one of £37 10s., to a maximum of £937 10s., which is subject to statutory deductions under the Local Government and Other Officers' Superannuation Acts.

Canvassing, directly or indirectly, will disqualify.

Form of application and schedule of duties may be obtained from the Education Officer, 54, Old Steine, Brighton, 1, and must be returned by 10 A.M. on the 24th April, 1939.

Norfolk and Norwich Hospital,
NORWICH.
(440 Beds.)

Applications are invited for the post of CASUALTY OFFICER. Salary £120 per annum, with board, residence, and laundry.

Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned as soon as possible.

FRANK INCH, House Governor and Secretary.

7th April, 1939.

Hove General Hospital, Hove.
(53 Beds.)

Applications are invited for the appointment of JUNIOR RESIDENT MEDICAL OFFICER (Male) for a period of six months. Salary £120 per annum, with board, quarters, and laundry. The successful applicant will be eligible to apply for the senior post when vacant.

Application, on forms to be obtained from the undersigned, to be forwarded by Saturday, April 15th.

K. C. BOOKER, Secretary-Superintendent.

City of Leicester.

RESIDENT MEDICAL OFFICER.

Resident Medical Officer (Male) required for the CITY ISOLATION HOSPITAL AND SANATORIUM, Groby-road.

Appointment for a period of six months, renewable if service is satisfactory for a further six months.

Salary at the rate of £300 per annum, with the usual residential emoluments. The officer appointed may be required to assist with Infant Welfare work.

Applications, on forms to be supplied, to be sent to the undersigned not later than the 21st April, 1939.

E. K. MACDONALD, Medical Officer of Health.

Health Offices, Grey Friars, Leicester, April, 1939.

Royal Alexandra Hospital for Sick
CHILDREN, BRIGHTON.

HONORARY MEDICAL CLINICAL ASSISTANT required. The Election Committee will meet on Friday, the 5th May, and it is hereby convened for that date at 3 P.M. for the purpose of electing an Honorary Clinical Assistant to the Honorary Physicians.

All candidates are required to transmit their applications and testimonials under cover to the undersigned not later than Monday, the 24th April, and must hold themselves in readiness to attend the Meeting of the Committee on the day of election.

The Committee does not bind itself to appoint any candidate. Every candidate will have an opportunity of appearing before the Election Committee, and may send a copy of testimonials to the Members of the Committee of Election not more than ten days before the Meeting at which such election is to take place.

Further information can be obtained, if desired, by application to the Secretary, PERCY F. SPOONER, at the Hospital.

3rd April, 1939.

New Sussex Hospital for Women,
Windlesham-road, BRIGHTON.
(60 Beds.)

Applications are invited from fully qualified Medical Women for the post of HONORARY MEDICAL CLINICAL ASSISTANT to the Outpatients' Department on Thursday afternoons. The appointment to be for one year. Duties to commence on the 4th May.

Applications, with copies of testimonials, to be forwarded to the Secretary, New Sussex Hospital, Windlesham-road, Brighton, on or before the 18th April.

3rd April, 1939.

New Sussex Hospital for Women,
Windlesham-road, BRIGHTON.
(60 Beds.)

Applications are invited from qualified Medical Women for the post of HOUSE PHYSICIAN for a period of six months. Salary at the rate of £100 per annum. Duties to commence on the 1st May.

Applications, together with copies of recent testimonials, to be sent to the Secretary, New Sussex Hospital, Windlesham-road, Brighton, on or before the 18ta April.

3rd April, 1939.

Warrington Infirmary and Dispensary
AND THE BOROUGH GENERAL HOSPITAL.

VISITING PATHOLOGIST AND BACTERIOLOGIST.

Applications are invited for the above joint post (non-resident).

Candidates must be registered Medical Practitioners and have had post-graduate experience in Pathology and Bacteriology.

Salary for the joint appointment £500 per annum.

Opportunity will be given for private Pathological Practice and laboratory facilities provided.

Further particulars can be had on application.

Applications should be sent in to the undersigned not later than the 29th April, stating age and experience and enclosing three copies of recent testimonials.

By Order,

HENRY L. BOOT, Superintendent and Secretary.

Warrington Infirmary, 31st March, 1939.

The Glasgow Eye Infirmary.

The Directors invite applications from registered Medical Practitioners for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with apartments and board.

Applications, with copies of testimonials, should be lodged with the undersigned by 17th April, 1939.

T. C. CALDWELL, Secretary.

140, West George-street, Glasgow, C.2. 3rd April, 1939.

Manchester Royal Infirmary.

BARNES CONVALESCENT HOSPITAL.

RESIDENT JUNIOR MEDICAL OFFICER.

The Board of Management of the Manchester Royal Infirmary invite applications for the above post, vacant on the 1st May, 1939. Applicants must hold a Medical and Surgical qualification and be registered and have had a hospital appointment. The appointment is for six months, renewable for a further period of six months, subject to the provisions of the bye-laws as to notice, &c. Salary at the rate of £150 per annum, with board, residence, and allowance for laundry.

Applications, stating age, with testimonials, to be sent to the Chairman of the Medical Board not later than 20th April, 1939.

By Order,

F. J. CABLE, General Superintendent and Secretary.

Manchester Royal Infirmary.

SECOND RESIDENT CLINICAL PATHOLOGIST

The Board of Management of the Manchester Royal Infirmary invite applications for the above post. Applicants must hold a Medical and Surgical qualification and be registered.

The duties are whole time, working under the Director of the Clinical Laboratory.

Salary £150 per annum, with board, residence, and allowance for laundry plus a proportion of private fees.

Ten sets of applications with two testimonials, stating age, to be sent to the General Superintendent not later than 19th April, 1939.

By order.

F. J. CABLE, General Supt. and Secretary.

31st March, 1939.

Cheshire County Mental Hospital,
PARKSIDE, MACCLESFIELD.

Male ASSISTANT MEDICAL OFFICER required, not over thirty years of age and single. Previous mental hospital experience not essential. Salary £350, rising annually by £25 to £450, with board, apartments, and laundry, valued at £100, subject to deductions under the Asylums Officers' Superannuation Act, 1909.

The successful candidate will be expected to obtain the D.P.M. (which carries with it an addition of £50 per annum to the salary stated) as soon as possible after appointment. There is every scope for original research, the hospital having a modern laboratory and full equipment for the latest methods of treatment.

Time will be arranged for attendance of lectures at Manchester University.

Preference will be given to candidate with laboratory experience.

Applications, stating qualifications, with copies of three recent testimonials, to be sent to the Medical Superintendent, to be received as soon as possible.

City of Manchester.

PUBLIC HEALTH DEPARTMENT.

CRUMPSALL HOSPITAL (1400 Beds) and BOOTH HALL HOSPITAL (760 Beds).

APPOINTMENT OF CONSULTANT DERMATOLOGISTS (Part-time).

The Public Health Committee invite applications for the appointments of Consultant Dermatologists (part-time) at the Cumpsall Hospital, Manchester, 8, and at the Booth Hall Hospital for Sick Children, Manchester, 9.

Salary £125 per annum for each appointment.

Forms of application and copies of a memorandum on the terms and conditions of the appointments may be obtained from the Medical Officer of Health, Box No. 399, Town Hall, Manchester, 2, by whom applications must be received not later than April 22nd, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 3rd April, 1939.

Royal Halifax Infirmary.

Hospital Recognised by the Royal College of Surgeons (England).

Wanted, a CASUALTY OFFICER, also in charge of FRACTURE CLINIC (Male, unmarried). Candidates must be duly qualified and registered. The appointment will be for a period ending 31st October, 1939, followed by promotion to Second House Surgeon if suitable. Salary, including all services required in connexion with Paying Patients' Ward, £150 per annum, with residence, board, and laundry. The Resident Staff consists of Resident Surgical Officer, House Physician, two House Surgeons, and Casualty Officer. The Hospital contains Maternity and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned, to whom applications, stating age and nationality, together with testimonials, should be sent by Wednesday, the 12th instant.

A. MIDGLEY, Secretary.

3rd April, 1939.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Assistant required with a view to Partnership in a Radiological Practice in South Africa. Commencing salary £1200 to £1500 according to experience, but may be increased for exceptional qualifications.—Address, No. 569, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Wanted immediately, Research Fellow. Preference will be given to one who has experience in experimental pathology. There is a possibility of a permanent position and opportunity of acquiring clinical experience.—Address, No. 579, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

F.R.C.S. (Eng.), M.B. (Lond.), 40, seeks PARTNERSHIP or appointment as SURGEON in specialising firm or otherwise. Extensive G.P. and surgical experience all branches. Income not less than £1800. Capital available.—Address, No. 580, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

Medical Practice for Sale, Birmingham. Gross income £3600. Panel over 3500. P.M.S. over £500. House to rent.—Address, No. 585, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London.—Cora Hotel. Upper Woburn-place, near B.M.A Headquarters. Accommodates 235 visitors. Modern comforts.

Excellent table. A.A. and R.A.C. recommended.

Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

Royal Society of Medicine—Proceedings (Unbound) 1908–1938 for Sale. Offers to No. 586, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Halifax, Yorkshire.—To Let, "CREVENAGH," 142, King Cross Lane. Doctor's residence 35 years. Just vacated—retired. Excellently situated on prominent corner, main road; semi. Excellent Practice accommodation. Specially built.—GARSIDE, WARING & ROBINSON, 1, Ward's End, Halifax. Tel. 3527.

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All New Divan Rooms. Absolute cleanliness. C.H.W. Baths. Service. Light. Breakfast and Dinner from 38s. 6d. weekly, or meals optional. Large double, with breakfast 22s. 6d. each.—73, Longridge-road, Earl's Court.

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Commission chargeable in respect of the sale of a practice or share is limited to £50 where the business is left solely in our hands.

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The Maximum Commission payable on the sale of any Practice or Partnership in Great Britain, placed exclusively in the hands of this Agency is £50 (fifty pounds) which sum covers goodwill, drugs, surgery, fittings, fixtures and furniture, instruments and book debts, but not house property. Schedule of Terms will be forwarded on application.

NO CHARGE IS MADE TO PRINCIPALS FOR THE INTRODUCTION OF LOCUM TENENS OR ASSISTANTS.
Accountancy and Legal Services furnished by the Agency, where desired, at moderate inclusive charges.

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1. FAVOURITE SOUTH COAST TOWN.—PARTNERSHIP.—Half-Share in very sound mixed Practice producing approximately £4000 p.a. Panel over 3000. Nice house with 4 bedrooms, &c. Rent £120 p.a. Premium 2 years' purchase.
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3. HOME COUNTIES.—PARTNERSHIP.—Third partner required in old-estab. increasing better-class Practice in residential town with up-to-date hospital. Receipts for last 12 months £4900. Panel about 2000. Considerable scope for increase. Choice of houses. Premium 2 years' purchase.
4. WITHIN EASY REACH OF WEST END.—Well-estab. PRACTICE averaging £2500 p.a. with large panel. Suitable accommodation available.
5. NORTH LONDON.—Residential Area.—Old-estab. PRACTICE producing over £2300 p.a. Panel of 500. Eminently suitable for qualified man and wife. Good house (ample accommodation, ½ acre garden). Freehold for sale. Premium 2 years' purchase.
6. RIVERSIDE SUBURB.—PARTNERSHIP.—Share producing about £1500 p.a. (with succession in about 2 years) in sound old-estab., non-panel better-class, increasing Practice. Receipts £3000–£4000 p.a. Appointments worth about £200 p.a. Good house with 4 bedrooms, &c. Small garden. Premium 2 years' purchase. Ingoing partner should be experienced in midwifery.
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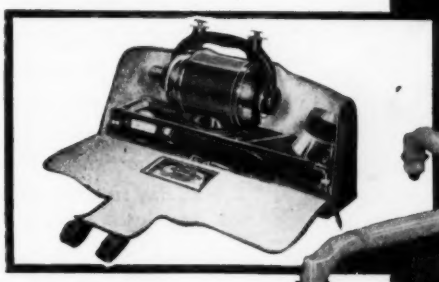

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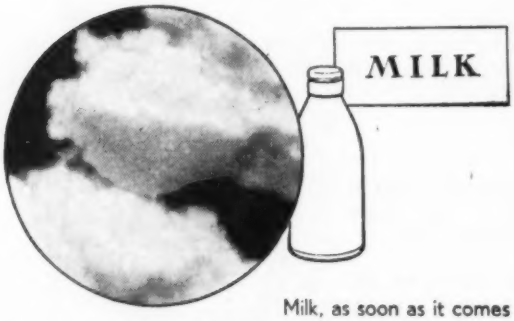

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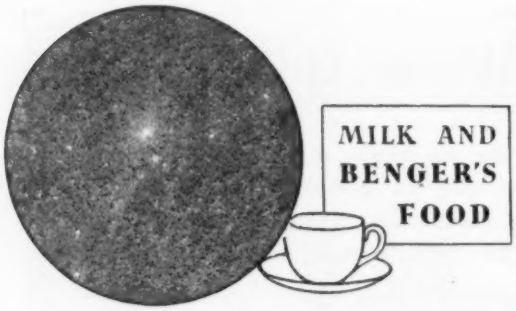

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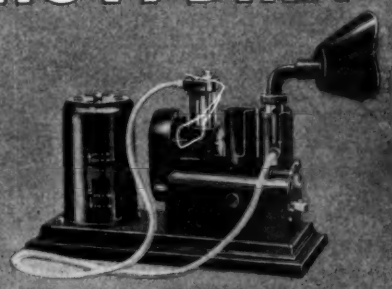

BRONCHIAL ASTHMA, HAYFEVER.

By reducing excessive irritation of the terminals of the vagus and stimulating the sympathetic

BRONCHOVYDRIN

overcomes the actual cause of an attack and secures

IMMEDIATE RELIEF

The best therapeutic results are obtained with the PNEUMOSTAT Electric Inhaler, especially designed for the treatment of ASTHMA and BRONCHITIS. The Pneumostat is adjusted for use on any electric current. The Pneumostat or Hand Inhalers are supplied on 10 days' free trial, to the Doctor or Patient, with adequate supplies of medicaments.

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K.B.B. IDEAL SHADOWLESS LAMP, 70cm. diameter, ceiling pattern complete with Suspension Gear and Counter Balance, with Special Electric Bulb for Voltages up to 250.
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MERSALYL B.D.H.

For parenteral oral and rectal administration

The diuresis induced by Mersalyl Ampoules B.D.H., administered parenterally, may be prolonged by giving Mersalyl Suppositories B.D.H., or Mersalyl Tablets B.D.H. The frequency of injections may thus be considerably reduced, such procedure contributing materially to the comfort and convenience of the patient.

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has been tried, tested and PROVED to be the safest and most effective of modern ANTACIDS

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Magsorbent is specially indicated in the treatment of Chronic Peptic Ulcer, Hyperchlorhydric Dyspepsia and Acid Fermentation. Magsorbent has also a powerful adsorptive action, and it cannot produce toxic alkalosis.

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COMPOUND SYRUP OF HYPOPHOSPHITES

supplies valuable mineral salts which aid the normal cell processes, and help to overcome the devitalizing effects of respiratory infections, pregnancy, and dietary deficiencies.

Great care is taken in the manufacture of this dependable, bitter, and reconstructive Tonic, to ensure that its exceptional quality is maintained.

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(Iodised Oil B.P.)

The value of iodised oil in bronchography is emphasised in a recent report (*Archives Med.-Chir. de l'App. Respiratoire*, 12 ; 345 (*No.* 5) 1938). Iodised oil was used with marked success and freedom from unpleasant sequelæ in the diagnosis of bronchial dilatation in various forms of pulmonary tuberculosis.

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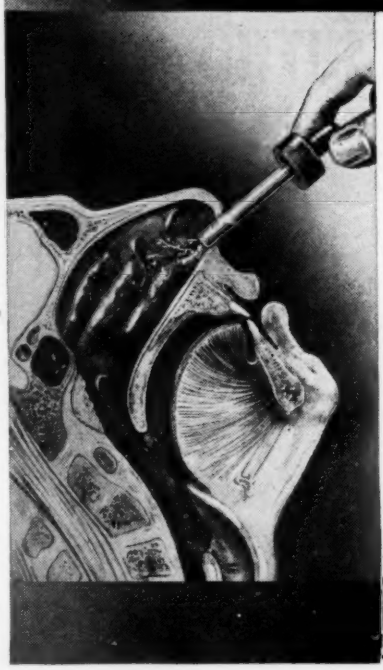
Iod/S/7

IN THE TREATMENT OF NASOPHARYNGEAL CONDITIONS



In inflammatory and infective conditions of the nasopharynx the decongestive and antiseptic properties of 'Endrine' have been proved over a period of years.

'Endrine' shrinks and soothes inflamed tissue, promotes sinus drainage, relieves congestion and improves breathing.

Boxes of four specimen bottles gladly sent on request to :—

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TRIVALIN

THE FINEST ANODYNE

In ampoules for injection, capsules and Tablets

Supplied solely to the Medical Profession

Extracts from Clinical Reports:

Cancer. "I have used Trivalin with most satisfactory results in Carcinoma of the Mamma. No preparation I have tried, including Morphia (which produced vomiting) gave so much relief."

"I consider the addition of Hyoscine valuable in Morphia suppression, and have found the combination valuable in hysterical frenzies and other forms of mental excitement."

"I shall continue to use it when Morphia is indicated, and particularly when Morphia-action is indicated but Morphia itself contra-indicated."

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Over 60 years' reputation as a remedy in DYSPEPSIA, especially when PYROSIS is a conspicuous symptom, and all DISEASES of the STOMACH.

"Undoubtedly a valuable and convenient preparation."
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"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."—THE BRITISH MEDICAL JOURNAL.

DOSE: Half to one drachm diluted.

Packed for dispensing only in 5, 10, 22, 40 and 90 oz. bottles. Also supplied "Sine opio" when desired.

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INITIAL DAILY DOSE
2 Tablets.

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BIOLOGICAL TREATMENT OF

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HAY FEVER VACCINES

PROPHYLACTIC and CURATIVE.

Immunisation should be commenced in susceptible patients now. In treatment the initial dose is determined by the

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It has been consistently demonstrated that whooping cough can be controlled by injections of Whooping Cough Dissolved Vaccine G.L. Prophylactic inoculation enables a large proportion of contacts to escape the disease altogether. In treatment, attacks are rendered mild and brief, and not infrequently are completely aborted. The effectiveness of Whooping Cough Dissolved Vaccine depends on the fact that the total antigens are available immediately on injection, thus securing a rapid antibody response. Furthermore, because the vaccine is detoxicated, it is possible to give full dosage from the beginning, even to young children, painlessly and without undesirable reactions. The effective scheme of dosage is 3 or 4 injections, usually beginning with 0.25 cc., and (according to age) rising to 1 cc.

5 cc. bottles 10/9; 10 cc. 15/6; 25 cc. 25/-.
Prices are subject to usual professional discount.

DISSOLVED VACCINE

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CRUNCHY FOOD

in the daily diet

and the importance of mastication

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Thorough mastication, which by breaking the food into small particles exposes a greater area to the action of the digestive juices, is held greatly to facilitate the process of digestion. For this reason many doctors recommend that the diet should include some dry, crunchy food, for such food cannot be swallowed until it has been properly masticated. Moreover, hard, dry food stimulates the flow of saliva, and it is generally accepted that this plays an important part in the digestive process.

Ryvita, as a crisp, crunchy food containing the nutritional elements of the whole rye grain, is therefore frequently recommended by doctors to their patients. A complimentary carton of Ryvita will gladly be sent on request.

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An Important Advance in Infant Feeding

THE attention of pædiatricians has, for some time past, been focussed on the very definite advantages of adding vegetable and fruit supplements to the dietary of infants. In practice, however, the home preparation of vegetables for such use is attended by certain disadvantages.

In order to overcome these disadvantages the Wander Laboratories have evolved a complete system of feeding from birth, which embodies the advantages of vegetable and fruit supplements together with the most advanced thought in infant feeding. This has been achieved by the introduction of two foods:

"Veguva" No. 1.—Milk Food containing vegetable and fruit juices—for infants from birth.

"Veguva" No. 2.—Vegetable Adjuvant—for infants from four months.

Physiological tests show that "Veguva" Foods are rich in the vitamins, easily assimilable organic iron and other important mineral salts which are essential to normal development and well-being, and prevent the onset of deficiency disorders. ***It should be noted that the vitamins present are of natural origin.*** An examination of the "Veguva" system of infant feeding readily demonstrates its marked advantages.

A booklet explaining the "Veguva" System of Infant Feeding, together with clinical trial samples of "Veguva" Foods, will be sent on request.

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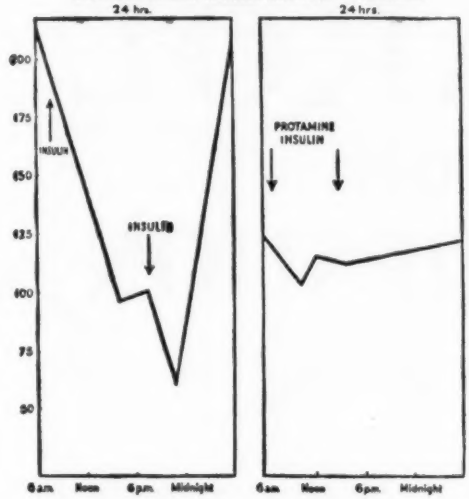
'A.B.' BRAND PROTAMINE INSULIN
(with zinc) SUSPENSION

Effect of Insulin without and with Protamine



The absorption of insulin injected in the form of 'A.B.' Brand Protamine Insulin (with Zinc) Suspension is much prolonged and closely resembles the natural secretion of the pancreatic islets. This insulin has a steady action and exerts a better control than that of ordinary insulin over the carbohydrate metabolism. The number of injections can be reduced, a lower total dosage is usually necessary, and the subjective symptoms of diabetes markedly improve.

40 units per c.cm.
5 c.cm. (200 units) 2/4
10 c.cm. (400 units) 4/6

80 units per c.cm.
5 c.cm. (400 units) 4/6

INSULIN 'A.B.' was the first British insulin offered commercially to the medical profession, and has a world-wide reputation for its strictly safeguarded sterility, its carefully standardised strength, its freedom from toxic reactions and its stability in hot climates.

Full particulars will be sent free to members of the Medical Profession.

Joint Licensees and Manufacturers:

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ALLEN & HANBURYS LTD.

★ PROSTATIC HYPERTROPHY

The treatment of this condition by the adequate administration of this Company's preparations of the prostate gland, either desiccated in capsules ("Opocaps") for oral administration, or in solution in ampoules ("Opojex") for hypodermic injection, has given excellent results in many cases.

Practitioners state that in conditions of frequency of micturition, retention, incontinence, and dysuria these preparations have proved so efficacious that surgical interference has been avoided in most cases.

It has been found that "Opocaps" and "Opojex" Prostatic are also of great value in the physical and mental disturbances following prostatectomy.

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℞ **"OPOCAPS" PROSTATIC (B.O.C.) gr. 3** (Oral)
Mitte - sig. 1 t.d.s., a.c. Supplied in boxes of 50 or 100 capsules.

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Mitte - sig. 1 in die (or dieb. alt. when given concurrently with "Opocaps"). Supplied in boxes of 6 or 12 ampoules 2 c.c.

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Among the therapeutic measures advocated for overcoming constipation, none has proved more consistently successful than AGAROL—the original emulsion of mineral oil and agar-agar with phenolphthalein.

Agarol renders the fæcal mass plastic and pliable with unabsorbable moisture. It lubricates the intestinal tract and gently stimulates peristalsis, ensuring an easy and complete evacuation.

Used over a reasonable period, Agarol gradually restores muscular tone and functional activity of the bowel, with the gratifying assurance that natural evacuation will follow without the need for further medication.

Agarol is not advertised to the public.

Supplied in 4½ oz. 7½ oz. and 17 oz. bottles.

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A NATURAL FOOD with 400 I.U. B_1 per oz.

There are obvious advantages in making good Vitamin deficiency with a natural food, especially one that is also rich in protein and other vital nutritive elements.

Bemax is a unique example of such a food. The normal daily dose of one tablespoonful (half an ounce) provides 200 international units of Vitamin B_1.

If a higher intake is required, it is possible to supply as much as 600 to 800 units of Vitamin B_1 daily by the administration of three to four tablespoonfuls of Bemax, and this in an entirely *natural* form at only a fraction of the cost of concentrates.

How high this content is can best be seen by comparing it with that of other foods claimed to be rich in Vitamin B_1. Few of these contain more than 10 or 12 units per ounce. Even the recommended dosage of certain B_1 *Concentrates* medically advertised provide only one-fourth to one-tenth as much as the average Bemax dose!

Bemax A unique natural source of accessory nutritional factors.

Vitamin B_1—400 I.U. per ounce.
Vitamin B_2—Flavin present. B_6—Rich supply.
Vitamin A—280 I.U. (as Carotene).
Vitamin E—the richest natural source.

Phosphorus—330 mg. per ounce.
Magnesium—99 mg. per ounce.
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Copper—0.45 mg. per ounce.

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(Standardised Vitamins A and D)

The necessity for the routine administration of extra-dietary Vitamins A and D is unquestioned not only to patients on special diets who do not receive their full quota, to expectant mothers and to convalescents whose reserves have been reduced through illness, but also to all members of the community, for it is an established fact that the modern dietary is seriously deficient in these essential factors.

The ingestion daily of two or three capsules, or their equivalent in Radiostoleum liquid, helps to preserve epithelial integrity and to promote optimum calcium and phosphorus metabolism.

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Adequate Iron for Hypochromic Anæmia

Three 'Plastules' Plain provide a daily dose of 15 grains of ferrous iron. This is ample for rapid hæmoglobin regeneration in most cases of hypochromic anæmia. The soluble ferrous iron in combination with the Vitamin B complex of yeast yields excellent results even in cases of achlorhydria. The risk of gastric upset is obviated because the iron in 'Plastules' brand Hæmatinic compound is in the preformed state, dosage is small and the medication readily diffused in the stomach.

Samples on request

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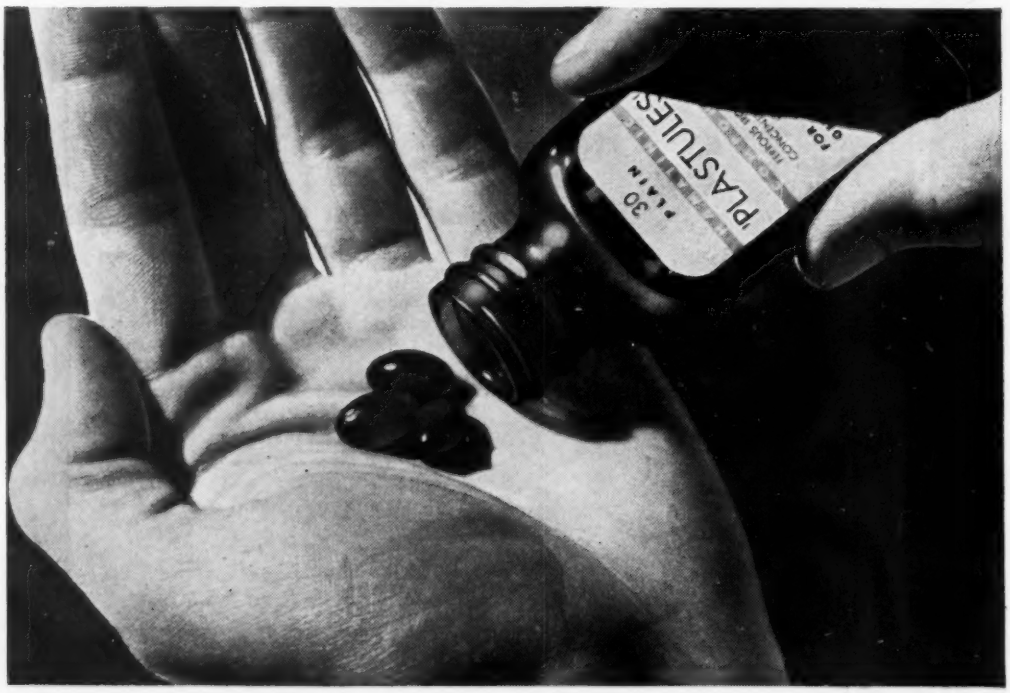

'POLLACCINE'

for Hayfever

Patients who are susceptible to hayfever during the summer months can be rendered relatively immune to attacks by a course of injections of pollen vaccine, given during the spring.

For those patients who have not yet commenced the prophylactic course, it will be necessary to give doses at comparatively short intervals in order to permit the attainment of a dose sufficiently large to confer adequate immunity.

'Pollaccine' is prepared in the Inoculation Department of St. Mary's Hospital, London (Founder, Sir A. E. Wright, M.D.), from the pollen of timothy grass (*Phleum pratense*). The toxins contained in the pollens of various grasses are so similar that 'Pollaccine' is the correct antigen for all true hayfever.

'Pollaccine' is available in single 10 c.c. vials, and 1 c.c. ampoules in various strengths, and also in outfits of eight, 8 c.c. vials, in strengths ranging from 100 to 20,000 units of pollen-toxin per c.c.

Further particulars concerning 'Pollaccine' and its prophylactic application will be sent on request.

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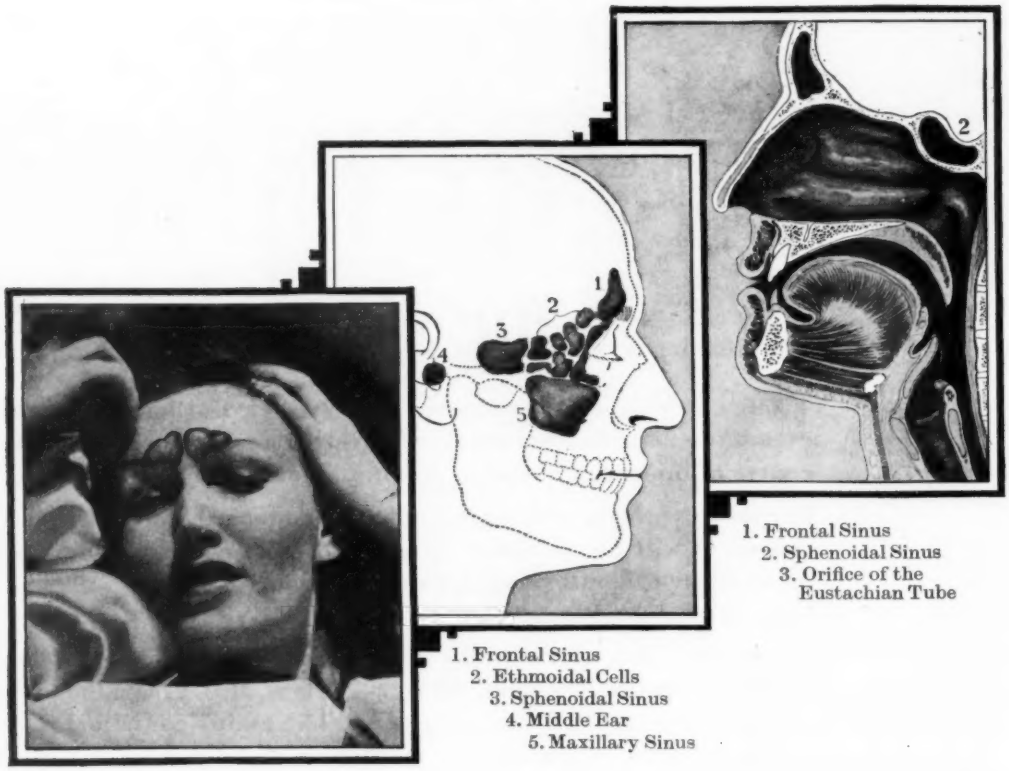
PARKE, DAVIS & CO., 50 BEAK STREET, LONDON, W.1

Laboratories: Hounslow, Middlesex. *Inc. U.S.A., Liability Ltd.*



1. Frontal Sinus
2. Sphenoidal Sinus
3. Orifice of the Eustachian Tube

1. Frontal Sinus
2. Ethmoidal Cells
3. Sphenoidal Sinus
4. Middle Ear
5. Maxillary Sinus

In Acute Sinusitis

It is often surprising the degree of relief which will sometimes follow the application of hot Antiphlogistine Brand Dressing over the frontal and nasal regions. Its decongestive action helps to restore drainage and relieve pain.

Otitis Media

When it is desired to apply heat, plus glycerine medication, Antiphlogistine Brand Dressing combines these agents in an ideal way.

Antiphlogistine

Brand Dressing

Made in England. *Sample on request.*

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M&B 693

(DAGENAN)*

2-SULPHANILYL-AMINOPYRIDINE

The latest May & Baker contribution to chemotherapy

in pneumococcal infections

Early clinical trials with M & B 693 convincingly demonstrated its value in **lobar pneumonia** (*The Lancet, July 2nd,* 1938). Later reports showed its activity in other pneumococcal infections including **pneumococcal meningitis** (*The Lancet, September 10th,* 1938 *and Sept. 24th,* 1938): and **pneumococcal septicæmia** (*The Lancet, September 10th,* 1938).

in other conditions

Although primarily important for its anti-pneumococcal activity, M & B 693 also appears to exert a valuable therapeutic effect in **streptococcal and meningococcal infections** (*The Lancet, May 28th,* 1938), **staphylococcal infections** (*The Lancet, Sept. 17th,* 1938) and **gonococcal infections** (*The Lancet, June 4th,* 1938, *and August 13th,* 1938, *and B.M.J., September 10th,* 1938).

M & B 693
is available in the following packs:
Containers of 25 tablets - - - 7/6
Containers of 100 tablets - - - 28/-
Subject to professional discount.

★ TRADE MARK

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

For the Prevention and Treatment of **WHOOPING COUGH**

PERTUSSIS ANTIGEN

(DETOXIFIED)

Lederle

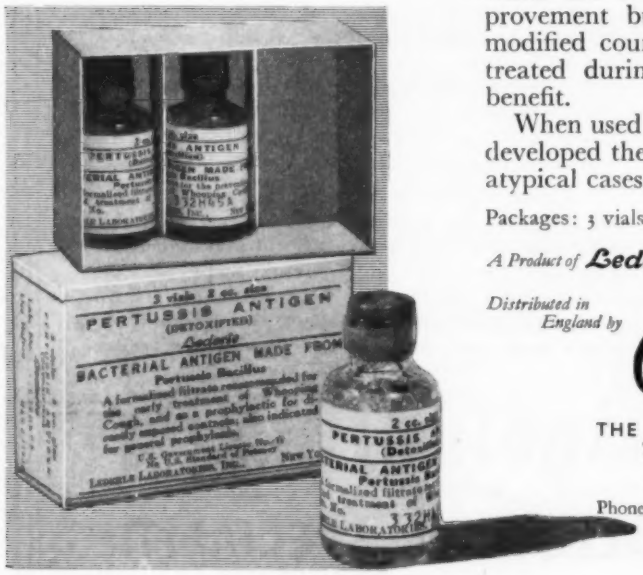
THIS new form of therapy is recommended for the treatment of active cases of Whooping Cough as well as in general prophylaxis.

Free from bacterial cells, "PERTUSSIS ANTIGEN (DETOXIFIED) *Lederle*" is a departure from the usual form of vaccine therapy. Based upon a toxic principle derived from H. pertussis, treatment with formalin converts the toxic factor into a non-toxic substance having antigenic properties.

If used early in *treatment* or soon after exposure, the immunological response is sufficiently rapid to modify or prevent, respectively, the disease in the majority of cases, as evidenced by the following—49 of 53 cases treated during the first or second week did not develop whooping or vomiting.

Of 70 cases treated during the third or fourth week, 30 became symptom-free after the completion of injections, while the remainder showed marked improvement but continued to run a mild, modified course of whooping cough. Cases treated during the fifth week showed no benefit.

When used for *prevention*, only 3 out of 140 developed the disease and those 3 were mild atypical cases.



Packages: 3 vials—2 cc. each, 6/3; 1 vial—20 cc., 12/6

A Product of **Lederle** LABORATORIES. Inc. NEW YORK

Distributed in England by Chas. F. Thackray LTD

THE OLD MEDICAL SCHOOL, LEEDS
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Telephone 20085 (3 lines)
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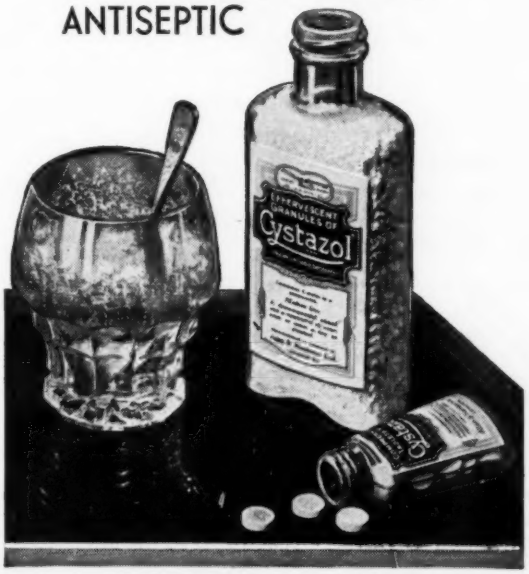
HYDE & ENTWISTLE LTD., Murray St., BELFAST

'CYSTAZOL'

A POWERFUL URINARY ANTISEPTIC



'Cystazol' is a combination of Hexamine with Sodium Benzoate: its action depends on the liberation of formaldehyde from the decomposition of the hexamine that takes place in the urine which has been rendered acid by the sodium benzoate moiety.

'Cystazol' is employed with advantage in cystitis, bacilluria of all types, pellagra, gonorrhœa and septic conditions of the urinary tract generally.

COMPRESSED TABLETS of 'Cystazol'

Supplied in bottles of 20, 40, 80, 160 and 500 (10 grain) tablets, at 1/6, 2/6, 4/6, 8/6 and 20/-

EFFERVESCENT GRANULES of 'Cystazol'

Supplied in bottles at 2/6 and 4/6.

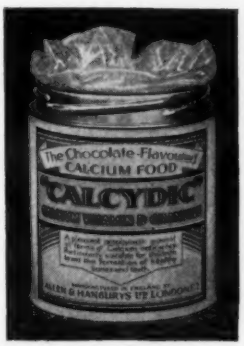
Descriptive literature and clinical trial sample will be sent post free on application.

Allen & Hanburys Ltd., London, E.2

Telephone: Bishopsgate 3201 (12 lines) Telegrams: "Greenburys Beth London"

Calcydic

CALCIUM VITAMIN D GRANULES



Supplies of calcium and phosphorus are essential to the action of vitamin D. Whereas ordinary calcium phosphate contains 1 part by weight of phosphorus to 2 of calcium, dicalcium phosphate contains 3 parts of phosphorus to 4 of calcium.

Each teaspoonful of Calcydic Granules contains—

Dicalcium phosphate 7½ gr.
Vitamin D - 1,500 units
Glucose, Chocolate, and Cane Sugar

These granules may be given to children or adults, prophylactically or therapeutically, in rickets, pregnancy, lactation, osteomalacia, menorrhagia, convalescence, chilblains, and urticaria.

Calcydic Granules are pleasant to take

In tins of ½ lb. at 2/3, and 1 lb. at 4/-

Descriptive literature and clinical trial sample will be sent on request.

Ferrodic

IRON GRANULES

Being chocolate flavoured, FERRODIC Iron Granules appeal strongly to children who will not take ordinary iron preparations, such as Chemical Food. The iron is present in the ferrous state, being preserved from oxidation by the presence of reducing sugar (glucose).

FERRODIC Iron Granules contain a large proportion of this sugar, which gives the preparation a special value in ketosis ('acidosis'), a condition found in debilitated children. Sprinkled on bread and butter, the granules provide a solution to the problem of feeding children who have no appetite.

In tins of ½ lb. at 2/3, and 1 lb. at 4/- each.

Descriptive literature will be sent on request.

Allen & Hanburys Ltd. London, E.2 Telephone: Bishopsgate 3201 (12 lines) Telegrams: "Greenburys Beth London"

'SODIUM AMYTAL'

TRADE MARK BRAND

SODIUM ISO-AMYL ETHYL BARBITURATE

The anxiety and apprehension with which patients once anticipated hospitalization have largely become things of the past due to the efforts of hospital personnel to make the stay as pleasant as possible. It has been learned that many disturbing recollections can be avoided when 'Sodium Amytal' has been the hypnotic and sedative of choice. It contributes to the rest and relaxation which are so essential to proper convalescence.

Prompt Attention Given to Professional Inquiries

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ELI LILLY AND COMPANY LIMITED

BASINGSTOKE and LONDON

Distributing Agent in Britain for ELI LILLY AND COMPANY, INDIANAPOLIS, U.S.A.

STREPTOCIDE

(Sulphanilamide Evans)

A report to the Therapeutic Trials Committee on the value of Streptocide in Puerperal Fever appeared in the "Lancet," November 27th and December 4th, 1937.

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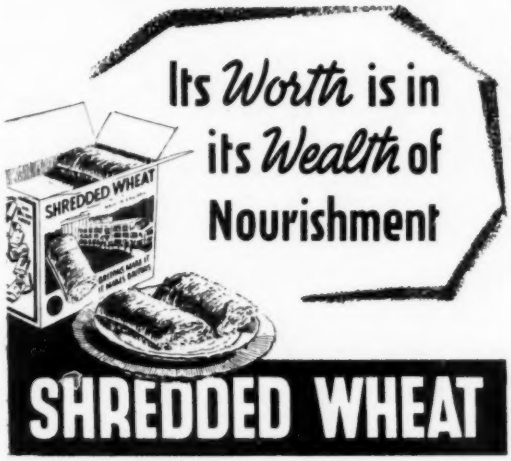

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(*c*) Two Months' experience as Clinical Assistant in the Radiological Department of a hospital approved by the Committee. Hospitals in London, in the Provinces, and Overseas, have been approved for this part of the Course.

Examinations for Part I (Physics) will be held in February and July, 1940, and for Part II (Radiology, Electrology, and Pathology) in July and October, 1940.

The University has decided that the Diploma shall cease to be granted after 1941. *The last Course for the Diploma will start in October,* 1940, *and the last examination will be held in October,* 1941.

The Courses are open to men and women whose medical qualifications are approved by the General Medical Council for purposes of registration, and who satisfy the Committee that they have had sufficient post-graduate clinical experience.

Further information about the Courses may be obtained from :—

G. STEAD, M.A., Secretary for the Diploma, Cavendish Laboratory, Cambridge,

or

THE GENERAL SECRETARY, British Institute of Radiology, 32, Welbeck-street, London, W.1.

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	SUBJECT.
APRIL 25th.—Prof. WILFRED TROTTER, M.D., M.S.(Lond.), F.R.S. (Professor of Surgery, University of London).	"Has the Intellect a Function?"
MAY 2nd.—WILSON SMITH, M.D., Ch.B. (Member, Scientific Staff, National Institute for Medical Research).	"The Prevention and Control of Virus Diseases."
MAY 9th.—VICTOR DOUGLAS ALLISON, M.D., B.Ch., D.P.H. (Medical Officer, Ministry of Health).	"The Mode of Spread of Acute Streptococcal Infections."
MAY 16th.—ALAN STERLING PARKES, M.A.(Cantab.), Ph.D., D.Sc., F.R.S. (Member, Scientific Staff, National Institute for Medical Research).	"The Hormones of the Anterior Pituitary Body."
MAY 23rd.—Prof. EDGAR DOUGLAS ADRIAN, M.A., M.D.(Cantab.), D.Sc. (Professor of Physiology in the University of Cambridge).	"The Instability of the Brain."
MAY 30th.—JOSEPH NEEDHAM, M.A., Ph.D., Sc.D.(Cantab.) (Sir William Dunn Reader in Biochemistry, University of Cambridge).	"Genes, Organisers and Pathology."
JUNE 6th.—Prof. JOHN RICHARDSON MARRACK, M.D.(Cantab.), M.A. (Professor of Chemical Pathology, University of London).	"The Chemical Bases of Immunity Reactions."
JUNE 13th.—Sir JOHN BOYD ORR, M.A., M.D., D.Sc., F.R.S. (Director of Rowett Research Institute, Aberdeen).	"Nutrition in Relation to Therapeutic and Preventive Medicine."

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Fee: £10 10s. for whole Course. £6 6s. for two weeks.

(3) A GENERAL SURGICAL COURSE from August 14th to September 9th.
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(4) A COURSE ON INTERNAL MEDICINE from October 16th to December 9th.
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12 NOON to 1 P.M. .. "Angina Pectoris and Coronary Thrombosis."

SATURDAY AFTERNOON. Dr. JAMES MAXWELL.
2 P.M. to 3 P.M. .. "Asthma and Bronchitis."
3 P.M. to 3.45 P.M. .. Clinical Demonstration.
4 P.M. to 5 P.M... .. "Malignant Disease of the Lung."

SUNDAY MORNING. Dr. R. R. TRAIL.
10 A.M. to 11 A.M. .. "Physical Signs and Diagnosis of Pulmonary Tuberculosis."
11.15 A.M. to 12 NOON. Clinical Demonstration.
12 NOON to 1 P.M. .. "Modern Methods of Treatment in Pulmonary Tuberculosis."

SUNDAY AFTERNOON.
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3 P.M. to 3.45 P.M. .. Electrocardiographic Demonstration, by Dr. KENNETH HARRIS.
4 P.M. to 5 P.M. .. .. "Thoracic Surgery," by Mr. JOHN B. HUNTER.

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66 Queen's Gardens, Lancaster Gate, W.2.

(Established 1912.)

Specially trained Nurses for Mental and Nerve cases (All Nurses are insured under the Employers Liability Act, 1906.) Apply the Supt.

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Permanent Staff of Resident Male Nurses

We supply fully-trained Male Nurses for all cases. Thoroughly experienced men with special training for mental work.

W. J. HICKS, *Secretary.*

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HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

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Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

ST. ANDREW'S HOSPITAL

FOR NERVOUS AND MENTAL DISORDERS,

NORTHAMPTON

FOR THE UPPER AND MIDDLE CLASSES ONLY.

PRESIDENT: THE MOST HON. THE MARQUESS OF EXETER, K.G., C.M.G., A.D.C.

MEDICAL SUPERINTENDENT: THOMAS TENNENT, M.D., M.R.C.P., D.P.H., D.P.M.

This Registered Hospital is situated in 130 acres of park and pleasure grounds. Voluntary patients, who are suffering from incipient mental disorders or who wish to prevent recurrent attacks of mental trouble; temporary patients, and certified patients of both sexes are received for treatment. Careful clinical, bio-chemical, bacteriological, and pathological examinations. Private rooms with special nurses, male or female, in the Hospital or in one of the numerous villas in the grounds of the various branches can be provided.

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This is a Reception Hospital in detached grounds with a separate entrance, to which patients can be admitted. It is equipped with all the apparatus for the complete investigation and treatment of Mental and Nervous Disorders by the most modern methods; insulin treatment is available for suitable cases. It contains special departments for hydrotherapy by various methods, including Turkish and Russian baths, the prolonged immersion bath, Vichy Douche, Scotch Douche, Electrical baths, Plombieres treatment, etc. There is an Operating Theatre, a Dental Surgery, an X-Ray Room, an Ultra-violet Apparatus, and a Department for Diathermy and High-frequency treatment. It also contains Laboratories for bio-chemical, bacteriological, and pathological research. Psychotherapeutic treatment is employed when indicated.

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Two miles from the Main Hospital there are several branch establishments and villas situated in a park and farm of 650 acres. Milk, meat, fruit, and vegetables are supplied to the Hospital from the farm, gardens, and orchards of Moulton Park. Occupational therapy is a feature of this branch, and patients are given every facility for occupying themselves in farming, gardening, and fruit growing.

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The seaside house of St. Andrew's Hospital is beautifully situated in a Park of 330 acres, at Llanfairfechan, amidst the finest scenery in North Wales. On the North-West side of the Estate a mile of sea coast forms the boundary. Patients may visit this branch for a short seaside change or for longer periods. The Hospital has its own private bathing house on the seashore. There is trout-fishing in the park.

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For terms and further particulars apply to the Medical Superintendent (TELEPHONE: No. 2356 and 2357 Northampton), who can be seen in London by appointment.

PECKHAM HOUSE, 112, Peckham Road, London, S.E.15

Telegrams: "Alleviated, London." **Telephones: Rodney 2641 and 2642.**

The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

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Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

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HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

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The central building makes the Mundesley Sanatorium the best equipped building in England for the cure of Tuberculosis. All the bedrooms have hot and cold running water, electric light, and wireless head-phones. The public rooms are spacious and comfortable.

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For all information apply:
THE SECRETARY,
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Telephone: Mundesley 94 and 95
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The buildings face S.S.W. and are sheltered from the sea by a pine-clad ridge. The sunshine record and dry air complete a perfect site. The medical equipment is of the latest kind, and there is a day and night nursing staff.

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We have the experience of many years in the Residential Treatment of

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THE RESIDENT SUPERINTENDENT (as above)

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Every facility for complete investigation and individual treatment on the most modern lines. Physiotherapy Department fully equipped for X-ray work, heliotherapy, short-wave therapy, electrotherapy, and hydrotherapy.

Fully equipped gymnasium and indoor swimming pool under qualified instructors. Facilities under special recreational therapists for all indoor and outdoor games, including squash, badminton, table tennis, golf, cricket, football, hockey, lawn tennis, croquet, and bowling. The hospital has its own Church, Library, Cinema, and Café.

The hospital grounds extending to nearly 1000 acres are situated in delightful country and include an extensive farm (T.T. herd), gardens, and orchards.

Private rooms, suites, villas, and special nurses available. As the hospital is well endowed terms are exceptionally moderate, e.g., First Department 3 to 30 guineas per week, Second Department 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients.

For prospectus, necessary forms, and further information apply to :—

Physician Superintendent, **P. K. McCowan**, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

HURSTWOOD PARK HOSPITAL AND BEECHMONT HOUSE

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In Hurstwood Park Hospital there are fully equipped surgical and dental units and bio-chemical and bacteriological laboratories.

Hurstwood Park Hospital and Beechmont House are situated in pleasant woodland entirely separated from the main institution and have some of the finest views in Sussex.

Brochure on application to the Medical Superintendent. *Telephone : Haywards Heath 897.*

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THE MAUDSLEY HOSPITAL, DENMARK HILL, S.E.5.

Telephone: RODney 3841

A CLINIC instituted by the London County Council for treatment of Nervous and Curable Mental Disorder. Voluntary patients *only* received.

New Out-patients.—Men : Mondays and Thursdays, 2 P.M. Women : Tuesdays and Fridays, 2 P.M. Children : Mondays and Fridays, 10 A.M. In-patients (*a*) 235 beds (both sexes) in wards or separate rooms, including 35 beds in a ward of King's College Hospital which is in use as a temporary annexe of the Maudsley Hospital; (*b*) a special ward (including some private rooms) for those patients of each sex who are paying the full cost and are otherwise suitable. TERMS—£5 a week, but in the case of patients with a legal settlement in the County of London a less sum may be charged according to means.

Terms include (with rare exceptions) all forms of treatment, for which there are exceptional facilities as there is a Staff of Consultant Specialists, and the Central Laboratory of London County Mental Hospitals is attached to the Hospital. Inquiries of EDWARD MAPOTHER, M.D., F.R.C.P., F.R.C.S., Medical Superintendent.

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This Sanatorium is established for the treatment of Tuberculosis of the Lungs and the Pleural Cavities. It is situated in the midst of a large area of park-land at a height of 450 feet above sea-level, on the South West slopes of mountains rising to over 1800 feet, which protect it from north and east winds and provide many miles of graduated walks with magnificent views. Average rainfall 29·57 per annum. Full day and night Nursing Staffs. X-Ray plant. Every facility for Artificial Pneumothorax and for operations on the chest. Electric Lighting. Central Heating. Home Farm. Grade A Milk from T.T. Herd.

For particulars apply to Medical Superintendent.

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For further particulars apply to the MEDICAL SUPERINTENDENT.

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Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

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Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

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This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

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For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone: Gatley* 2231 (3 lines).

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For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

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FARMING and OPEN AIR OCCUPATION for PATIENTS

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For further particulars apply **Secretary,**

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A REGISTERED HOSPITAL FOR THE CARE AND TREATMENT OF LADIES AND GENTLEMEN SUFFERING FROM NERVOUS AND MENTAL DISORDERS.

Within two miles of the G.W. and L.M. & S. Railway Stations at Gloucester, the Hospital is easily accessible by rail from London and all other parts of the United Kingdom. It is beautifully situated at the foot of the Cotswold Hills, and stands in its own grounds of over 300 acres. Voluntary Patients of both sexes also are received for treatment. Special accommodation is also provided at five villa residences, all of which stand in their own grounds and are entirely separate from the main Hospital.

For particulars as to terms, &c., apply to G. W. T. H. FLEMING, M.R.C.S., L.R.C.P., D.P.M., Physician Superintendent.

Telephone: No. 6207 Gloucester.

THE COPPICE, NOTTINGHAM.

HOSPITAL FOR MENTAL DISEASES.

President: The Right Hon. LORD BELPER.

This Institution is exclusively for the reception of a limited number of PRIVATE PATIENTS of both sexes, of the UPPER and MIDDLE CLASSES, at moderate rates of payment. It is beautifully situated in its own grounds, on an eminence a short distance from Nottingham, and commands an extensive view of the surrounding country; and from its singularly healthy position and comfortable arrangements affords every facility for the relief and cure of those mentally afflicted. Voluntary and Temporary Patients received. Occupational Therapy. For terms, &c., apply to the Medical Superintendent.

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A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.

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Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Studa Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.

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TERMS, 12s. to 18s. per day, include Turkish and other Baths.

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Telephone: WATFORD 5917

A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS
Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses MCLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

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Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

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Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

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An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, Farm Produce, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

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A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

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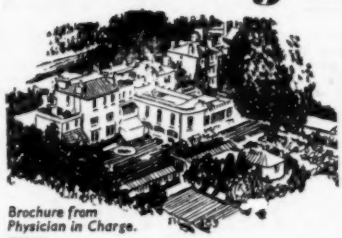

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Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as

HIGHFIELD HALL,

situate about a mile away from the Hospital.

FEES TWO TO FIVE GUINEAS PER WEEK.

For further particulars apply to the Medical Director, W. J. T. KIMBER, L.R.C.P., D.P.M.

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A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

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Applications (twelve copies) must be received not later than first post on 16th May, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

London Hospital, E.1.

Applications are invited for the post of MEDICAL OUT-PATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Medical Outpatient Department on every weekday afternoon.

Applications, with copies of testimonials, should be sent to the House Governor from whom further particulars may be obtained and should arrive not later than on Saturday, the 22nd April.

ARTHUR G. ELLIOTT, House Governor.

London Hospital, E.1.

There is a vacancy for the post of HONORARY ASSISTANT ANÆSTHETIST. Candidates are required to hold the Diploma in Anæsthetics of the Royal Colleges of Physicians and Surgeons.

Applications, with testimonials, should be sent to the House Governor, and should arrive not later than on Saturday, 29th April, 1939.

A. G. ELLIOTT, House Governor.

London Hospital, E.1.

Applications are invited for the post of SURGICAL OUT-PATIENT FIRST ASSISTANT. Candidates must be fully qualified medically. The salary of the post is £150 per annum. The duties involve attendance in the Surgical Outpatient Department on every weekday afternoon.

Applications, with copies of testimonials, should arrive at the Hospital not later than by the first post on Saturday, 22nd April. Further particulars may be obtained from the House Governor.

ARTHUR G. ELLIOTT, House Governor.

London Hospital, E.1.

There is a vacancy for the post of HONORARY ASSISTANT PHYSICIAN to the DEPARTMENT OF PHYSICAL MEDICINE. Candidates must be either Members of the Royal College of Physicians in London, or Fellows of the Royal College of Surgeons of England.

An honorarium is attached to the post.

Applications, with copies of testimonials, should be sent to the House Governor, from whom further particulars may be obtained, and should arrive not later than first post on Saturday, 22nd April.

ARTHUR G. ELLIOTT, House Governor.

Metropolitan Borough of Lambeth.

DEPUTY MEDICAL OFFICER OF HEALTH.

The Lambeth Borough Council invite applications from fully qualified Male and Female Medical Practitioners for the appointment of Deputy Medical Officer of Health at an inclusive salary of £840 per annum, rising by annual increments of £40, due on the 1st April in each year, to a maximum of £960 per annum.

Candidates must not be more than forty years of age on the 25th May, 1939, and must possess the qualifications prescribed by the Public Health (London) Act, 1936, and the Sanitary Officers Order, 1926. All other things being equal it will be an advantage if a candidate possesses qualifications indicating a special interest and experience in maternity and child welfare work. The officer appointed will be required to devote the whole of his or her time to the duties of the office, to contribute to the Council's Superannuation Fund, and to submit himself or herself for medical examination, the appointment being subject to the report being satisfactory. The appointment will also be subject to the approval of the Minister of Health.

Applications on forms to be obtained from the undersigned, endorsed "Deputy Medical Officer," accompanied by copies of three testimonials of recent date, are to be delivered by noon on Monday, the 24th April, 1939.

Canvassing, either directly or indirectly, will disqualify a candidate.

O. L. ROBERTS, Town Clerk.

Lambeth Town Hall, Brixton Hill, S.W.2, 31st March, 1939.

King George Hospital, Ilford (near

London). (207 Beds.)

HOUSE SURGEON (Male) required for six months from 1st May. Salary at the rate of £100 per annum.

Forms of application may be obtained from the undersigned, to whom they should be returned, duly completed, not later than 20th April.

(Signed) G. AUSTIN HEPWORTH,
Secretary and Superintendent.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of RADIOLOGIST (part-time).

Applicants must be registered Medical Practitioners, who hold a Diploma in Radiology.

The duties of the post will be entirely in connexion with the diagnostic section of the Radiological Department.

Salary at the rate of £400 per annum for 5 sessions per week.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned, not later than first post Monday, 17th April, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of full-time SENIOR ASSISTANT RADIOLOGIST for the Therapeutic Section of the Radiological Department.

Applicants must be registered Medical Practitioners who hold a Diploma in Radiology.

Salary at the rate of £450 per annum, rising to £500 per annum in the second year.

Applications, to be made on a form which will be supplied by the Secretary, together with three (copies only) recent testimonials, should be sent to the undersigned not later than the first post on Monday, 17th April, 1939.

CLEMENT COBBOLD, Secretary.

St. Mary's Hospital, W.2.

CASUALTY HOUSE SURGEON.

Applications are invited for the above post from duly qualified candidates. Candidates must have been House Surgeons for a full period of office to this Hospital, or to some other General Hospital approved by the Board.

The salary is £100 per annum, with board and residence, and the appointment is for six months.

Applications, with copies of testimonials, not exceeding three in number, should reach the undersigned (from whom particulars may be obtained) on or before Wednesday, 19th April, 1939.

W. PARKES, House Governor.

Dreadnought Hospital,

Greenwich, S.E.10. (Seamen's Hospital Society.)
(257 Beds.)

HOUSE PHYSICIAN required immediately for the period ending 30th June. Salary £110 per annum and a proportion of fees, with board, residence, and laundry.

Candidates must be Male and single.

Applications, with copies of three testimonials, to be sent in immediately to the undersigned.

F. A. LYON, Secretary.

1st April, 1939.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

General Hospital. 112 Beds.

The Board of Management invites applications from suitably qualified Male candidates for the post of HOUSE PHYSICIAN for six months from the 1st of May, 1939. Remuneration will be at the rate of £100 per annum.

The closing date for the receipt of applications (which should be made on the prescribed form obtainable from the undersigned) is Monday, April 24th, and short-listed candidates will be invited to meet the Appointments Committee on Friday, April 28th, 1939.

R. S. G. HUTCHINGS, Secretary.

Paddington Green Children's Hospital

(Incorporated), London, W.2.

Applications are invited for the post of HONORARY RADIOLOGIST to the Hospital.

Information as to the duties, &c., may be obtained from the undersigned, to whom applications must be forwarded as soon as possible.

JAMES A. HAMLIN, Secretary.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

An OUT-PATIENT MEDICAL REGISTRAR (part-time and non-resident) is required on the 8th May, 1939. Salary £150 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

Candidates must possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 1st May, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 3rd May, 1939.

Full instructions and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

April, 1939.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

The London Lock Hospital,
283, Harrow-road, W.9.

Applications are invited for a RESIDENT MEDICAL OFFICER (Male) to ALL DEPARTMENTS. Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 1st June. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous obstetric experience.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the Secretary (from whom further particulars can be obtained) by first post on Thursday, 27th April.

Princess Elizabeth of York Hospital for CHILDREN
(Formerly East London Hospital for Children), Shadwell, London, E.1.

Applications are invited for the appointment of HONORARY NEUROLOGICAL SURGEON, to see and treat cases when requested, in consultation with members of the Honorary Medical Staff.

Applications, with copies of three testimonials, addressed to the Secretary-Superintendent, from whom further particulars can be obtained, should reach the hospital by Tuesday, 2nd May, 1939.

EDWARD PENTON, Secretary-Superintendent.

The Royal Waterloo Hospital for CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1939, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, April 25th, to the Secretary at the above address, from whom further particulars can be obtained.

The Royal Waterloo Hospital for CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There is a vacancy on the 1st May, 1939, for a RESIDENT MEDICAL OFFICER (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday, April 25th, to the Secretary at the above address from whom further particulars can be obtained.

The Royal Waterloo Hospital for CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1939, for a HOUSE SURGEON (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, 25th April, to the Secretary at the above address, from whom further particulars can be obtained.

Middlesex County Council.

NORTH MIDDLESEX COUNTY HOSPITAL,
Silver-street, Edmonton, N.18.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER, registered Medical Practitioner with resident appointment in general hospital. Whole-time duties (mainly obstetrical and gynæcological) under supervision of Medical Superintendent. Salary £250 per annum, with board, lodging, and laundry.*

CENTRAL MIDDLESEX COUNTY HOSPITAL,
Acton-lane, Willesden Junction, N.W.10.

JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER, registered Medical Practitioner, with resident appointment in general hospital. Whole-time duties under supervision of Medical Superintendent. Salary £250 per annum, with board, lodging, and laundry.*

*Appointment on unestablished staff subject to Standing Orders. Medical examination in connexion with Superannuation Scheme where applicable. Appointment primarily for six months but may be extended for further six.

Written applications, enclosing copies of not more than three recent testimonials, to the undersigned by 22nd April.

Canvassing, direct or indirect, disqualifies.

C. W. RADCLIFFE, "B.3.," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

The Grocers' Company offer each year

ONE SCHOLARSHIP for the encouragement of Original Medical Research into the Causation of Prevalent Disease or as to Means of Preventing Premature Death. The award, which is tenable for two years from 1st September, is of £300 for the first year and £450 for the second year, in addition to which the Court will grant up to £150 a year towards the cost of special apparatus, &c., required by the Scholar. Candidates should not be more than thirty-five years of age and should submit their applications to the undersigned before the 1st May.

Grocers' Hall, E.C.2. L. HICKMAN BARNES, Clerk.

Westminster Hospital,

Broad Sanctuary, London, S.W.1.

Consequent upon the opening of the new and enlarged Westminster Hospital, several additional offices will be created, and applications are accordingly invited for the undermentioned appointments, for duty commencing 1st July, 1939.

Ten copies of applications, accompanied by copies of three recent testimonials, should be addressed to the undersigned from whom full particulars of the appointments may be obtained, on or before Tuesday, 25th April, 1939.

The appointments are open to male candidates only.

THREE CHIEF MEDICAL ASSISTANTS AND REGISTRARS.

Candidates must be registered Medical Practitioners. Membership of the Royal College of Physicians (London) is desirable. The appointments are for one year, subject to annual re-election for two subsequent years. Salary £200 per annum paid by the House Committee, and £50 per annum paid by the School of Medicine Committee.

TWO CHIEF SURGICAL ASSISTANTS AND REGISTRARS.

Candidates must be registered Medical Practitioners and Fellows of the Royal College of Surgeons of England. The appointments are for one year, subject to annual re-election for two subsequent years. Salary £200 per annum, paid by the House Committee, and £50 per annum paid by the School of Medicine Committee.

PART-TIME CHIEF ASSISTANT AND REGISTRAR TO THE EAR, NOSE AND THROAT DEPARTMENT.

Candidates must be registered Medical Practitioners and Fellows of the Royal College of Surgeons of England. The appointment is for one year, subject to annual re-election for two subsequent years. Salary £100 per annum.

PART-TIME CHIEF ASSISTANT AND REGISTRAR TO THE ORTHOPÆDIC DEPARTMENT.

Candidates must be registered Medical Practitioners and Fellows of the Royal College of Surgeons of England. The appointment is for one year, subject to annual re-election for two subsequent years. Salary £100 per annum.

FULL-TIME MEDICAL OFFICERS TO THE SURGERY AND OUT-PATIENT RECEPTION CENTRE.

Candidates must be registered Medical Practitioners and have held at least two resident Hospital appointments. The appointments are for six months in the first instance. Salary £150 per annum for one resident appointment, and £200 per annum for each of two non-resident appointments.

By order of the House Committee,
CHARLES M. POWER, Secretary.

Borough of Wembley.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Borough Council invite applications for the post of Whole-time Assistant Medical Officer of Health (an additional appointment).

The duties will be mainly in the Maternity and Child Welfare services of the Council, while the officer will be required to undertake such other duties as the Medical Officer of Health, with the consent of the Council, may assign from time to time.

Candidates must, subsequent to qualification, have had at least three years' experience in the practice of their profession, and special experience of practical midwifery and ante-natal work. They should have had hospital experience in Maternity and Child Welfare work. Preference will be given to applicants holding a Diploma in Midwifery or Child Health subjects. The Diploma in Public Health will be considered an additional recommendation.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum, plus a car allowance of £50 per annum. The appointment will be subject to the successful candidate passing a medical examination, the provisions of the Local Government and Other Officers' Superannuation Act, and to the Staff Regulations of the Borough Council, and will be terminable by one calendar month's notice on either side.

Applications on a form to be obtained from the Medical Officer of Health, Public Health Department, Forty Avenue, Wembley, must reach me not later than NOON on Friday, 28th April, 1939.

Canvassing in any form will disqualify candidates.

KENNETH TANSLEY, Town Clerk.

Council Offices, High-road, Wembley, 31st March, 1939.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited for the appointment of HONORARY DENTAL SURGEON to The Prince of Wales's General Hospital.

Applications, together with copies of three recent testimonials, should reach the undersigned on or before Wednesday, May 3rd, 1939.

J. C. BURDETT, Director and House Governor.

April 3rd, 1939.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited for the appointment of HONORARY OFFICER to the SPEECH THERAPY AND LIP READING DEPARTMENT of The Prince of Wales's General Hospital.

Applications, together with copies of three recent testimonials, should reach the undersigned not later than, Wednesday, May 3rd, 1939.

J. C. BURDETT, Director and House Governor.

April 6th, 1939.

Appointments for Medical Officers in The ROYAL AIR FORCE

Medical men are invited to apply for Short Service Commissions in the Royal Air Force.

Candidates must be registered under the Medical Acts and be not more than 31 years of age on entry.

The period of service is 3 years—extendible to 5 years. A gratuity of £400 or £1,000 is payable at the termination of 3 or 5 years respectively. Permanent commissions are awarded in a number of cases. These offer a pensionable career with the opportunity of extra leave on full pay for specialised study.

Applicants who hold—or are likely to hold—post-graduate appointments in civil hospitals may, on joining the Royal Air Force, be seconded until the termination of their appointments (for a period not exceeding one year) An antedate of commission, up to twelve months, is allowed for appointments held at approved hospitals.

Fuller information can be obtained from The Director of Medical Services, Air Ministry, Kingsway, London.

The Princess Beatrice Hospital,
Earl's Court, London, S.W.5.

HONORARY ASSISTANT SURGEON, OPHTHALMIC DEPARTMENT.

Applications are invited from qualified Medical Practitioners, preferably holding the Diploma of F.R.C.S., for the appointment of Honorary Assistant Surgeon to the Ophthalmic Department.

Applications, stating age, qualifications, and full details of experience, should reach the Secretary by Wednesday, 26th April, 1939.

The Samaritan Free Hospital for
WOMEN, Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing May 15th next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital not later than NOON, Tuesday, April 25th, 1939.

G. H. HAWKINS, Secretary.

Metropolitan Borough of Shoreditch.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER OF HEALTH (Male).

Applications for the above appointment are invited from duly registered Medical Practitioners.

The duties will be chiefly clinical and administrative in maternity and child welfare, but will also include duties in general medical health.

The salary will be at the rate of £650 per annum, rising by annual increments of £50 to a maximum of £750 per annum.

The appointment will be subject to a medical examination and to the provisions of the Shoreditch and Other Metropolitan Borough Councils (Superannuation) Acts, 1922–37.

Applications must be made on a form to be obtained from the undersigned, and must be returned not later than NOON on Monday the 1st May, 1939.

Canvassing, directly or indirectly, will disqualify.

R. CYRIL RAY, Town Clerk.

Shoreditch Town Hall, Old-street, E.C.1, 6th April, 1939.

Mackenzie Mackinnon Research
FELLOWSHIP.

The joint committee of the Royal College of Physicians of London and the Royal College of Surgeons of England invites applications for a research fellowship of £300 per annum approximately with an allowance for expenses, tenable for one year in the first instance. The fellowship is for scientific medical investigation, and candidates must hold a registrable medical qualification or a University degree.

Application must be made not later than Monday, April 24th, on a special form obtainable from the Secretary, Royal College of Surgeons, Lincoln's Inn Fields, W.C.2.

KENNEDY CASSELS, Secretary.

Nottingham and Midland Eye
INFIRMARY.

RESIDENT HOUSE SURGEON (Male) required, 54 Beds. Large Out-patient Department. Salary £200 per annum, with board and laundry. Post recognised for D.O.M.S.

Applicants should state age, qualifications, experience, and send copies of three recent testimonials to the Secretary, The Ropewalk, Nottingham.

Princess Elizabeth Orthopædic Hospital,
EXETER.
(70 Beds, shortly expanding to 100).

Applications are invited for the post of RESIDENT HOUSE SURGEON. Salary £150 per annum, with board, residence, and laundry.

The appointment is for six months commencing May, with the option of extension for a period not exceeding a further six months.

Applications, stating age and experience with copies of three recent testimonials, to be sent to:

P. MELHUISH, Secretary.

City of Manchester.

WITHINGTON HOSPITAL. (118 Beds.)
(Recognised under the regulations for the F.R.C.S.)

The Public Health Committee invites applications from registered Medical Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER (Assistant to the Resident Surgical Officer) at the Withington Hospital, West Didsbury, Manchester, 20.

The salary for the appointment is £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months, but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 24th April, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 11th April, 1939.

Rochdale Infirmary and Dispensary.
(110 Beds. Three Residents.)

The Board of Management invite applications from gentlemen for the appointment of SECOND HOUSE SURGEON.

The salary attached to the appointment is at the rate of £150 per annum, including board, residence, and laundry.

Applications, stating age, nationality, &c., together with copies of three recent testimonials, to be sent to the Secretary endorsed "House Surgeon."

Conditions of the appointment may be had on application to the Secretary.

W. WYNNE, Secretary.

Infirmary Office, Rochdale, Lancs.

North Staffordshire Royal Infirmary,
STOKE-ON-TRENT.
400 Beds.

HOUSE SURGEON TO ORTHOPÆDIC DEPARTMENT.

The Committee invites applications for the above post (Male) tenable for six months and renewable.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Previous hospital surgical experience essential, and Orthopædic experience desirable.

Applications, stating age, qualifications, and experience, with copies of two recent testimonials, to be sent to the undersigned immediately.

THORNBURROW GIBSON, Secretary and House Governor.

10th March, 1939.

The Royal Hospital, Wolverhampton.
(Incorporated under Charter.)

HOUSE SURGEON required for FRACTURE AND ORTHOPÆDIC DEPARTMENT. Duties to commence forthwith.

The Hospital contains 300 beds, includes the usual special departments and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

East Suffolk and Ipswich Hospital.
(415 Beds—Hospital 350, Recovery Home 65.)
8 Residents.

APPOINTMENT OF RESIDENT SURGICAL OFFICER.

Applications are invited for the post of Resident Surgical Officer (Male) who will also act as Medical Superintendent of the Hospital's Convalescent Home. Previous administrative and surgical experience essential.

Candidates must be a Fellow of one of the Royal Colleges of Surgeons.

Married men are eligible for the appointment.

The salary for a single man is £400 per annum, with board, apartments, and laundry. The salary for a married man is £550 per annum, with house, free of rates, but without board. There will also be an allowance of £30 per annum for motor-car and free garage.

Duties to commence 6th May, or as soon after as convenient.

Canvassing will be a disqualification.

Applications, stating age, qualifications, and medical, surgical, and administrative experience, with three recent testimonials, to be sent to me immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 15th April, 1939.

Cheshire Education Committee.

ASSISTANT SCHOOL MEDICAL OFFICER (Male).

Applications are invited from qualified Men for a whole-time post as Assistant School Medical Officer to reside at Cheadle.

Candidates must have had at least three years' practical experience in their profession and be not more than forty-five years of age.

Commencing salary £500, rising by £25 annually to £700 (less 6 per cent. for superannuation). Travelling expenses on County scale.

Forms of application, containing full particulars of appointment, may be obtained from the undersigned and must be received, duly completed, not later than the 1st May, 1939.

IAN MACKAY, M.B., Ch.B., School Medical Officer.

24, Nicholas-street, Chester.

Preston and County of Lancaster Royal
INFIRMARY.

Applications are invited for the post of HOUSE SURGEON. Duties under Consulting Surgeon. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, to be addressed to Mr. JOHN GIBSON, Superintendent, Royal Infirmary, Preston.

N.B.—This appointment is recognised as approved experience for the F.R.C.S. (Eng.).

St. Bartholomew's Hospital, Rochester.

(200 Beds.) Five Residents.

The House and Finance Committee invite applications for the post of CASUALTY OFFICER, which will become vacant on the 1st May, 1939.

Candidates must be unmarried, qualified, and registered Medical Men. The appointment is for six months. Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, experience, &c., accompanied by copies of two testimonials or one from the Dean of the candidate's Medical School, should be received by the Superintendent-Secretary not later than noon, 21st April, 1939.

Canvassing the Honorary Staff will disqualify.

The Staffordshire General Infirmary,

STAFFORD.

(145 Beds, including 14 Private Wards. Three Residents.)

HOUSE SURGEON required to take up duties on the 1st May. Salary £175 per annum with board, residence. Experience in Fracture Work an advantage. The appointment to be held for at least six months.

Applications, stating age and giving particulars of experience, together with copies of three recent testimonials, should be sent to me forthwith.

A. E. COLLINS, Secretary.

Stafford, 12th April, 1939.

The Staffordshire General Infirmary,

STAFFORD.

(145 Beds, including 14 Private Wards. Three Residents.)

HOUSE PHYSICIAN required to take up duties on the 1st May. Salary £150 per annum, with board, residence. The appointment to be held for at least six months.

Applications, stating age and giving particulars of experience, together with copies of three recent testimonials, should be sent to me forthwith.

A. E. COLLINS, Secretary.

Stafford, 12th April, 1939.

Required, Woking and District Victoria

HOSPITAL. (50 Beds.) RESIDENT MEDICAL OFFICER for 1st June, 1939; Male or Female; British born; unmarried; minimum period of six months. Salary £130 per annum, with board, residence, and laundry.

Applications, with testimonials, to be made to the Hon. Secretary by May 15th.

West Sussex County Council.

BOROUGH OF ARUNDEL AND CHICHESTER RURAL DISTRICT COUNCIL.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH AND DISTRICT MEDICAL OFFICER OF HEALTH.

Applications are invited for the joint whole-time appointment of an Assistant County Medical Officer of Health for the Administrative County of West Sussex (salary £400 per annum rising by annual increments of £50 to £500 per annum) and Medical Officer of Health for the Borough of Arundel and the Chichester Rural District (salary £400 per annum).

Applicants, who should not be over forty-five years of age, must be duly qualified Medical Men with experience in public health duties and must hold the Diploma in Public Health or its equivalent.

The officer appointed will be required to reside in the Chichester District or in such other place as may be approved. As regards his duties as Assistant County Medical Officer of Health the officer will act under the general control of the County Medical Officer of Health, and will be required to perform such duties as may be from time to time prescribed; and as regards his duties as District Medical Officer of Health, the officer will be subject to the sole control and direction of the Local Sanitary Authority.

Office accommodation and clerical assistance will be provided by arrangements to be agreed upon by the appointing authorities, and an allowance will be made for travelling. The joint appointment is subject to the approval of the Minister of Health and also, so far as the office of District Medical Officer of Health is concerned to the provisions of the Sanitary Officers (Outside London) Regulations, 1935. The joint appointment is superannuable under the Local Government Superannuation Act, 1937, and the selected candidate will be required to pass a satisfactory medical examination.

The joint appointment will be determinable by three months' notice on either side, subject so far as the office of the District Medical Officer of Health is concerned, to the consent of the Minister of Health.

Forms of application, together with a list of duties and conditions of appointment, may be obtained from the undersigned, T. C. Hayward and, accompanied by copies of not more than three recent testimonials, should be returned to him not later than the 1st May, 1939.

T. C. HAYWARD,
Clerk of the West Sussex County Council.
HERBERT A. E. HEY,
Town Clerk, Arundel.
L. BAILEY,
Clerk to the Chichester Rural District Council.

County Hall, Chichester. 11th April, 1939.

Borough of Slough.

ETON URBAN DISTRICT.
ETON RURAL DISTRICT.
ETON JOINT HOSPITAL BOARD.

JOINT APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND DEPUTY MEDICAL OFFICER OF HOSPITAL.

Applications are invited for the appointment of Deputy Medical Officer of Health for the combined areas of the Borough of Slough and the Urban and Rural Districts of Eton and Deputy Medical Officer of the Eton Joint Isolation Hospital (45 Beds).

Applicants must be duly qualified and registered Medical Practitioners, not exceeding forty years of age. Possession of a Diploma or Degree in Public Health is essential. Preference will be given to candidates possessing previous experience in general public health work, infectious diseases, and bacteriology.

The salary will be at the rate of £500 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700, together with a travelling allowance (for motor car) of £75 per annum, but in fixing the commencing salary regard will be paid to qualifications and previous local authority service.

The post will be superannuable, and the successful applicant will be required to pass satisfactorily a medical examination.

Applications, on a form obtainable from the undersigned, together with copies of three recent testimonials, should be addressed to me and delivered at the Town Hall, Slough, not later than Saturday, April 29, 1939.

F. R. DUXBURY, Town Clerk.

Town Hall, Slough, April 11th, 1939.

Runwell Hospital for Nervous

AND MENTAL DISORDERS,
Near WICKFORD, ESSEX.

HOUSE PHYSICIAN required for the above Hospital (1010 Beds). Salary £150 per annum, with apartments, board, attendance, and laundry. Six-monthly appointments renewable for a further six months. Excellent opportunities for post-graduate work. The Hospital provides facilities for treatment in all its aspects and is equipped with up-to-date laboratories.

Applications, together with copies of recent testimonials (not more than three), to be forwarded to the Physician Superintendent, to reach him not later than Wednesday, the 19th April, 1939.

Envelopes to be marked "House Physician" in the top left-hand corner.

Secretary-Superintendent wanted for

ROTHERHAM VOLUNTARY GENERAL HOSPITAL (130 Beds and large Out-patient Department). Preferably one holding Certificate of Incorporated Association of Hospital Officers.

Applications, which will be treated confidentially, stating age, experience, and salary required, to be addressed to G. W. ROBERTS, 8, Moorgate-street, Rotherham, marked "Confidential."

Dewsbury and District General

INFIRMARY, DEWSBURY. (100 Beds.)

VISITING ANÆSTHETIST.

Applications are invited for the above appointment. An honorarium will be paid.

Full particulars may be obtained from the Secretary-Superintendent, to whom applications should be addressed.

The Children's Hospital, Sheffield.

(157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 28th April, 1939.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

Bedford County Hospital.

Wanted CASUALTY OFFICER to take over duties immediately for a term of not less than six months. Must be Male, unmarried, and fully qualified. Salary £150 per annum, with board, lodging, and laundry.

Applications, stating age, nationality, and qualifications, together with three recent testimonials, to be sent to the Secretary, Hon. Medical Staff Committee.

Nottingham General Hospital.

(389 Beds.)

A HOUSE PHYSICIAN (Male) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of testimonials, to be sent to the undermentioned immediately.

Duties to commence as soon as possible.

HENRY M. STANLEY, House Governor and Secretary.

Norfolk and Norwich Hospital,
NORWICH.
(440 Beds.)

Applications are invited for the post of CASUALTY OFFICER. Salary £120 per annum, with board, residence, and laundry.

Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, stating age, nationality, &c., together with copies of testimonials, should reach the undersigned as soon as possible.

FRANK INCH, House Governor and Secretary.

7th April, 1939.

Hove General Hospital, Hove.
(53 Beds.)

Applications are invited for the appointment of JUNIOR RESIDENT MEDICAL OFFICER (Male) for a period of six months. Salary £120 per annum, with board, quarters, and laundry. The successful applicant will be eligible to apply for the senior post when vacant.

Application, on forms to be obtained from the undersigned, to be forwarded by Saturday, April 15th.

K. C. BOOKER, Secretary-Superintendent.

City of Leicester.

RESIDENT MEDICAL OFFICER.

Resident Medical Officer (Male) required for the CITY ISOLATION HOSPITAL AND SANATORIUM, Groby-road.

Appointment for a period of six months, renewable if service is satisfactory for a further six months.

Salary at the rate of £300 per annum, with the usual residential emoluments. The officer appointed may be required to assist with Infant Welfare work.

Applications, on forms to be supplied, to be sent to the undersigned not later than the 21st April, 1939.

E. K. MACDONALD, Medical Officer of Health.

Health Offices, Grey Friars, Leicester, April, 1939.

Warrington Infirmary and Dispensary
AND THE BOROUGH GENERAL HOSPITAL.

VISITING PATHOLOGIST AND BACTERIOLOGIST.

Applications are invited for the above joint post (non-resident).

Candidates must be registered Medical Practitioners and have had post-graduate experience in Pathology and Bacteriology.

Salary for the joint appointment £500 per annum.

Opportunity will be given for private Pathological Practice and laboratory facilities provided.

Further particulars can be had on application.

Applications should be sent in to the undersigned not later than the 29th April, stating age and experience and enclosing three copies of recent testimonials.

By Order,
HENRY L. BOOT, Superintendent and Secretary.

Warrington Infirmary, 31st March, 1939.

Manchester Royal Infirmary.

BARNES CONVALESCENT HOSPITAL.

RESIDENT JUNIOR MEDICAL OFFICER.

The Board of Management of the Manchester Royal Infirmary invite applications for the above post, vacant on the 1st May, 1939. Applicants must hold a Medical and Surgical qualification and be registered and have had a hospital appointment. The appointment is for six months, renewable for a further period of six months, subject to the provisions of the bye-laws as to notice, &c. Salary at the rate of £150 per annum, with board, residence, and allowance for laundry.

Applications, stating age, with testimonials, to be sent to the Chairman of the Medical Board not later than 20th April, 1939.

By Order,
F. J. CABLE, General Superintendent and Secretary.

Warwickshire Voluntary Hospitals
COUNCIL.

APPOINTMENT OF VISITING FRACTURE AND ORTHOPÆDIC SURGEON TO THE COVENTRY AND WARWICKSHIRE HOSPITAL.

Applications are invited for the above appointment.

Candidates must hold the degree of Master of Surgery of a University of the United Kingdom, or be Fellows of one of the Royal Colleges of Surgeons of England or Edinburgh, and must have had previous experience in this branch of Surgery.

The successful candidate will be required to organise and develop a Fracture service on the lines indicated in the Interim Report of the Interdepartmental Committee on Fractures appointed by the Ministry of Health and will be required to practise as a Consultant in Fractures and Orthopædics only.

The appointment will be for a period of five years in the first instance, and will carry an honorarium at the rate of £600 per annum.

Applications, stating full particulars as to age, qualifications, and previous experience, and accompanied by copies of testimonials, and must reach the undersigned not later than Monday, April 24th, 1939.

(Signed) S. CECIL HILL, Hon. Secretary,
House Governor's Office,
Coventry and Warwickshire Hospital.

Kent County Mental Hospital,
MAIDSTONE.

FIRST ASSISTANT MEDICAL OFFICER (Male) required. Commencing salary £475 per annum, rising by one increment of £25 to £500 per annum, with residential emoluments, valued for superannuation purposes at £209 per annum. Unfurnished quarters are available for a married officer, for which a charge will be made and emoluments will be paid in cash and adjusted accordingly.

An additional £50 per annum is paid to the Medical Officer when in possession of a Diploma in Psychological Medicine granted or recognised by any University or College of Physicians and Surgeons in the United Kingdom.

The appointment is pensionable under the Asylums Officers' Superannuation Act, 1909.

Candidates must be fully qualified, registered, and not more than thirty-five years of age.

Applications, giving full particulars of previous experience, with copies of three recent testimonials, and endorsed "First Assistant Medical Officer" on envelope, should be sent to the Medical Superintendent of the Hospital at an early date.

City of Plymouth.

MEDICAL OFFICER OF HEALTH'S DEPARTMENT.

THE CITY ISOLATION HOSPITAL.

ASSISTANT RESIDENT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (unmarried, Male) for the above appointment, which is for a period of twelve months, terminable by one month's notice on either side.

The salary will be at the rate of £300 per annum, with full residential emoluments, and any fees received by the Officer must be refunded to the Council.

The successful candidate will be required to work under the direction of the Medical Superintendent and will devote the whole of his time to official duties, which will consist mainly of work in the hospital and assisting at certain venereal diseases clinics.

In addition to the above he will be required to perform any other duties allotted to him from time to time by the Medical Officer of Health.

Applications, stating age, qualifications, and experience, together with copies of not more than three recent testimonials, must reach the undersigned not later than Monday, 24th April, 1939.

T. PEIRSON, Medical Officer of Health.

Town Hall, Stonehouse, Plymouth.

Durham County and Sunderland Eye
INFIRMARY.

HOUSE SURGEON required immediately. Must have Ophthalmic experience. Salary £350 per annum. Non-resident. Must devote whole time to the duties of the Institution.

Applications, with copies of recent testimonials, to be sent to S. RIDDLES, Eye Infirmary, Stockton-road, Sunderland.

Rotherham Hospital.

Wanted, HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Education Committee for the County
BOROUGH OF BRIGHTON.

APPOINTMENT OF MALE SENIOR MEDICAL OFFICER AND ASSISTANT TO THE MEDICAL OFFICER OF HEALTH.

Applications are invited for the above appointment. Candidates must have experience of the School Medical Services, possess the Diploma in Public Health, or its equivalent, and be approved by the Board of Education for Mental Deficiency work.

The Senior Medical Officer will act under the supervision of the School Medical Officer and will be required to devote his whole time to the service of the Authority; he will not be allowed to undertake any private practice and will be required to reside in the borough of Brighton.

Salary £750, rising by biennial increments, three of £50 and one of £37 10s., to a maximum of £937 10s., which is subject to statutory deductions under the Local Government and Other Officers' Superannuation Acts.

Canvassing, directly or indirectly, will disqualify.

Form of application and schedule of duties may be obtained from the Education Officer, 54, Old Steine, Brighton, 1, and must be returned by 10 A.M. on the 24th April, 1939.

Essex County Council.

TEMPORARY TUBERCULOSIS OFFICER required early in June for holiday duties for approximately four months, at a fee of £12 per week, inclusive of travelling expenses.

Applications, stating age, qualifications, and experience together with copies of three recent testimonials, should be addressed and delivered to the Clerk of the County Council, County Hall, Chelmsford, not later than 10 A.M. on Thursday, 20th April, 1939.

County of Kent.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH (MALE).

Applications are invited for the above-mentioned whole-time appointment on the central medical staff of the Public Health Department.

The duties of the post will be mainly in connexion with Air Raid Precaution Medical Services, and candidates should be familiar with the administrative aspects of such schemes. A knowledge of general public health work will be an advantage. The person appointed will be expected to undertake any other duties as the County Medical Officer may require and if Air Raid Precaution work grows less, opportunity will be given for undertaking general public health work.

According to qualifications and experience a salary of not more than £700 a year will be paid, together with subsistence and travelling allowances according to the County Council's scale. If a lower commencing salary is arranged it will not be less than £500, and will rise to £700 by annual increments of £25. The appointment will be terminable by three months' notice on either side.

The post is superannuable and the successful candidate will be required to pass a medical examination. Applicants should state if they have any commitments to the fighting services.

Applications should be submitted to the County Medical Officer, Sessions House, Maidstone, with copies of three recent testimonials, and should reach him not later than the 25th April, 1939.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 6th April, 1939.

County of Kent.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited for the above-mentioned whole-time appointment on the central medical staff of the Public Health Department.

The duties of the post will be mainly administrative and it is desirable that candidates should have had previous experience in the general administrative work of a Public Health Department.

The salary is at the rate of £700 a year with subsistence and travelling allowances according to the County Council's scale.

The post is superannuable, and is terminable by three months' notice on either side. The successful candidate will be required to pass a medical examination.

Forms of application and, if required, further details of the appointment can be obtained from the County Medical Officer, Sessions House, Maidstone, and completed application forms must be returned to him not later than 25th April, 1939.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 6th April, 1939.

Royal Manchester Children's Hospital, PENDLEBURY.

The Board of Governors invite applications for the post of ASSISTANT SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England.

Honorarium £50 per annum.

Applications in duplicate, with copies of not more than three testimonials, to be addressed not later than 2nd May, 1939, to the Secretary, from whom particulars of the duties of the office can be obtained.

Canvassing will be a disqualification.

By order,

H. HEARDMAN, Secretary.

Hertford County Hospital, Hertford, HERTS.

Applications are invited for the post of HONORARY ASSISTANT SURGEON.

Candidates should possess a degree in Surgery of a British University or the Fellowship of one of the Royal Colleges of Surgeons.

Applications (16 copies), together with copies of testimonials, should be made by Monday, the 8th May, 1939, to the undersigned.

PERCY G. BROOKS, Secretary.

Manchester Ear Hospital, Grosvenor-square, All Saints.

Applications are invited for the post of VISITING ANÆSTHETIST to the above Hospital. Particulars of the duties and remuneration may be obtained from the Secretary.

Applications, together with testimonials, should be addressed to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), C/o Mr. W. J. Ellam, 17, Brazennose-street, Manchester, 2.

The Royal Infirmary, Sunderland. (288 Beds.)

HOUSE PHYSICIAN (Male) required for six months from 1st May, 1939. Salary £120 per annum, with board, residence, laundry, &c.

Applications, stating age and qualifications, and accompanied by copies of testimonials, to be sent to the undersigned.

The Resident Medical Staff consists of a R.S.O. and six others.

M. J. HUNTLEY, House Governor and Secretary.

Wirral Joint Hospital Board.

CLATTERBRIDGE ISOLATION HOSPITAL. (100 Beds.)

The Wirral Joint Hospital Board invite applications from registered Practitioners for the post of RESIDENT ASSISTANT MEDICAL OFFICER at the above-named Hospital.

Preference will be given to applicants who have had experience in Bacteriology.

The Hospital is situated within easy distance of the Liverpool Medical School, and time will be allowed, when the work of the Hospital permits, for attendance at D.P.H. or other higher qualification classes.

The appointment is for one year only, and is not renewable.

Salary £200 per annum, with board, residence, and laundry.

Application, stating age, qualifications, &c., and accompanied by copies of recent testimonials, to be made not later than 17th April, 1939, to:

DAVID BUNTING, Clerk to the Joint Hospital Board.

61, Hamilton-square, Birkenhead.

Aberdeen Royal Infirmary.

X-RAY AND RADIUM DEPARTMENT.

The Board of Directors invite applications for the post of REGISTRAR to the above Department which is a National Radium Centre. The successful candidate will have particular responsibility for the actual treatment and record keeping of cases of malignant disease.

Applicants must have held a Senior Resident Surgical appointment and should, if possible, have had some experience in the treatment of malignant disease by X-rays and Radium. The salary will be at the rate of £300 per annum, plus a living-out allowance of £104 per annum. The appointment is a full time one.

Six copies of applications (and of testimonials), stating age, qualifications and experience, should be lodged with the undersigned not later than Saturday, 22nd April current.

JOHN A. MCCONACHIE, Clerk and Treasurer.

1, Albyn-place, Aberdeen, 15th April, 1939.

County Borough of Middlesbrough. HEALTH DEPARTMENT.

HOLGATE MUNICIPAL HOSPITAL.

Applications are invited from registered Male Medical Practitioners (unmarried) for the post of ASSISTANT RESIDENT MEDICAL OFFICER at the Holgate Municipal Hospital, at a salary of £270 per annum, together with board, residence, and laundry.

The appointment will be for one year. In addition to hospital duties, the successful candidate will be required to undertake relief or holiday duty work of other whole-time members of the Corporation's medical staff as required.

The Municipal Hospital contains 329 beds and is a training school for nurses and affords excellent facilities for post-graduate work and experience.

Applications, stating age and experience, together with copies of three testimonials, to be sent to the Medical Officer of Health, Municipal Buildings, Middlesbrough, not later than Wednesday, 26th April, 1939.

PRESTON KITCHEN, Town Clerk.

Municipal Buildings, Middlesbrough, 10th April, 1939.

Nottingham City Hospital.

RESIDENT ASSISTANT SURGICAL OFFICER.

Applications are invited for the post of Male Resident Assistant Surgical Officer at the above Hospital.

The Hospital is a General Hospital of over 1000 beds with a considerable amount of acute work.

The appointment is tenable for six months in the first instance at a salary of £250 per annum, with the usual emoluments, but may be renewed for a further period of six months subject to satisfactory service.

The successful candidate will be responsible for general surgical and orthopædic cases under the supervision of the Visiting Consultant Surgeons.

Candidates must have held previous Hospital appointments and have had practical surgical experience.

Application forms can be obtained from me, and should be returned, together with three copies of recent testimonials, on or before May 1st, 1939.

Canvassing, directly or indirectly, is forbidden.

J. E. RICHARDS, Town Clerk.

Guildhall, Nottingham, 6th April, 1939.

Royal Lancaster Infirmary, Lancaster.

Applications are invited for the post of HONORARY SURGEON and HONORARY PHYSICIAN. Applications, stating qualifications and experience and accompanied by copies of two recent testimonials, should reach the undersigned not later than Tuesday, 25th April. One of the present Assistant Honorary Surgeons and the Honorary Physician respectively have applied for the above posts, and in the event of their being appointed a vacancy will occur for an Assistant Honorary Surgeon and an Assistant Honorary Physician.

Applicants should state whether in the event of their not being appointed to the Senior Posts they are willing that their applications be considered for the Assistants Posts.

FRANK A. MILNES, Superintendent-Secretary.

Royal Lancaster Infirmary, Lancaster.

The Committee have decided to appoint an additional ASSISTANT HONORARY PHYSICIAN.

Applications, stating qualifications and experience, and accompanied by copies of two recent testimonials, should reach the undersigned not later than Tuesday, 25th April.

FRANK A. MILNES, Superintendent-Secretary.

Pontefract General Infirmary (Yorks)

and HYDES HOSPITAL. (112 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER. Male (unmarried), duly qualified registered Medical Practitioners.

Commencing salary £150 per annum, with residence, board, and laundry.

The appointment to date for six months from May 1st, 1939.

Applications, stating age, with testimonials, and nationality, to be sent to the undersigned at once.

DAVID J. RICHARDS, Secretary-Superintendent.

Royal East Sussex Hospital, Hastings.

Applications are invited for the post of SENIOR HOUSE SURGEON (Female), vacant 19th May, 1939. The appointment is for a period of six months.

Salary at the rate of £200 per annum, with board, residence.

Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary by April 21st, 1939.

WILFRID G. KEMSLEY.

The Coventry and Warwickshire

HOSPITAL.

Applications are invited for the following posts.

Three HOUSE SURGEONS; One HOUSE SURGEON for the EAR, NOSE, AND THROAT DEPARTMENT; One CASUALTY OFFICER; One HOUSE PHYSICIAN; and One HOUSE PHYSICIAN, combining the duties of House Surgeon, to OPHTHALMIC DEPARTMENT.

The appointments are for six months, commencing May 1st, at a salary of £150 per annum.

Applications should be made to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

Norfolk and Norwich Hospital,

NORWICH. (440 Beds.)

Applications are invited for the post of HOUSE SURGEON to the SPECIAL DEPARTMENTS (EAR, NOSE, AND THROAT, AND OPHTHALMIC). Salary £160 per annum, with board, residence, and laundry. Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, staging age, nationality, &c., together with copies of testimonials, should reach the undersigned not later than Tuesday, 25th April, 1939.

FRANK INCH, House Governor and Secretary.

14th April, 1939.

Manchester Royal Infirmary.

RESIDENT CASUALTY OFFICER. (Male.)

The Board of Management of the Manchester Royal Infirmary invite applications for the above appointment.

Applicants must hold a Medical and Surgical qualification and be registered.

The appointment is for twelve months subject to the provisions of the Bye-Laws as to Notice.

Salary is at the rate of £150 per annum, with allowance for laundry.

Applicants must state age and send fifteen copies of their application and testimonials to the undersigned not later than 9 A.M. Thursday, 20th April, 1939.

By order,

F. J. CABLE, General Superintendent and Secretary.

5th April, 1939.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT SURGICAL OFFICER. The appointment will be for one year from July 1st, 1939, and may be renewed for a second year. Salary £225, with board, residence, and laundry.

Candidates (Male), who must be unmarried and Fellows of the Royal College of Surgeons of England or of Edinburgh, are requested to forward their applications, stating age and particulars of previous experience, together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, April 26th, 1939, from whom full particulars of the appointment may be obtained.

J. A. BEARDSALL, Secretary-Superintendent.

Bristol Eye Hospital.

(82 Beds.)

1938: 1232 In-patients; 20,652 Out-patients.

Applications are invited for the post of SENIOR RESIDENT HOUSE SURGEON. Vacant May 1st. Five months' appointment. Salary £150 per annum.

Applications, stating age and qualifications, with three recent testimonials, to reach the undersigned at earliest opportunity.

D. M. BABER, Secretary and House Governor.

Buckinghamshire County Council.

DEPUTY COUNTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners, not over forty years of age, holding a registrable qualification in Public Health, Sanitary Science, or State Medicine for the appointment of Deputy County Medical Officer of Health and School Medical Officer for the Administrative County of Buckingham, at a commencing salary of £750 per annum, rising, subject to satisfactory service, by annual increments of £25 to £900 per annum.

The successful applicant will be required to pay contributions under the Local Government Superannuation Act, 1937, and to pass a medical examination as to physical fitness.

Particulars and conditions of the appointment are set out on the form of application, which can be obtained from the undersigned.

Applications, on the prescribed form, accompanied by copies of not more than three recent testimonials, which will not be returned, should be addressed to the County Medical Officer, and delivered at the County Offices, Aylesbury, not later than 11 A.M. on Tuesday, 25th April, 1939, marked "Deputy County Medical Officer."

GUY R. CROUCH, Clerk of the Bucks County Council.

County Hall, Aylesbury, April, 1939.

Lanchester Joint Hospital Board.

MEDICAL SUPERINTENDENT—INFECTIOUS DISEASES HOSPITALS.

Applications are invited for the appointment of a full-time Medical Superintendent.

The appointment in the first instance will be in respect of the Board's existing Infectious Diseases Hospitals (four in number, one of which is for smallpox) and will be non-resident until the New Hospital of 144 beds now in the course of construction is ready when the appointment will become resident, subject to satisfactory service.

Salary at the rate of £750 per annum, with increments every two years of £50 to a maximum of £937 10s. per annum. On the appointment becoming resident the salary will be reduced by the value of the emoluments.

Candidates must be registered Medical Practitioners and have had experience of bacteriological work as well as practical knowledge of the work and administration of Infectious Diseases Hospitals.

Intending candidates are asked to communicate with the undersigned for further particulars before sending in their applications.

Applications, stating age, experience, and present appointment, accompanied by copies of not more than three recent testimonials, to be addressed to me and delivered at my office not later than first post on Friday, April 28th, 1939.

J. J. S. BARKER, Clerk to the Board.

Lanchester, Co. Durham, March 28th, 1939.

City of Birmingham.

MATERNITY AND CHILD WELFARE DEPARTMENT.

CANWELL HALL BABIES' HOSPITAL.

(84 Beds.)

A Woman Resident Medical Officer is required for a period of six months. Duties to commence on 5th of June.

Applicants should have had previous experience as a Resident House Physician, preferably in a Children's Hospital.

Salary £250 per annum, with board and laundry.

Applications, endorsed "Resident Medical Officer," and accompanied by copies of three recent testimonials, to be made on a form obtainable from the Medical Officer of Health, Council House, Birmingham 3, and returned to him on or before April 22nd.

Wonford House Registered Hospital,

EXETER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Male, single) at a commencing salary of £350 per annum, increasing by annual increments of £30 to £500 per annum, together with board, lodging, and laundry. An additional £50 per annum will be paid for the possession of the Diploma in Psychological Medicine. Previous mental hospital experience is desirable.

Applications, stating age, nationality and accompanied by copies of three recent testimonials should be sent to the Medical Superintendent immediately.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Typewriting.—Specialists in Typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson, Ltd., 16, Palace Chambers, Bridge-street, S.W.1. WHItehall 3838.

Experienced and Competent Secretary or Receptionist available for full-time or part-time work in West End. Accurate and reliable; personality and tact. Well travelled; fluent French, some German. Age thirty-six. Highest testimonials; excellent personal references. Free, April 24th.—Address, No. 588, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Lady, seven years Registrar's Secretary, London Hospital, free now, seeks position West End Doctor. Specialises in medical manuscripts, types speedily to dictation, own typewriter.—M. C. Wilson, 88, Lennard-road, S.E.20.

Pharmacist, registered in Austria, now living in London, 35 years' experience, able to introduce his own preparations, desires POST in a dispensing Doctor's house, anywhere.—Address, No. 589, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

The National University of Ireland APPOINTMENTS COMMITTEE can recommend suitably qualified Medical Graduates as Locum Tenentes or Assistants. Medical practitioners who require such services should apply, stating all particulars to the Secretary, Appointments Committee, N.U.I., 86, St. Stephen's Green, Dublin. Telephone Dublin 51793.

Assistant required with a view to Partnership in a Radiological Practice in South Africa. Commencing salary £1200 to £1500 according to experience, but may be increased for exceptional qualifications.—Address, No. 569, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

F.R.C.S. (Eng.), M.B. (Lond.), 40, seeks PARTNERSHIP or appointment as SURGEON in specialising firm or otherwise. Extensive G.P. and surgical experience all branches. Income not less than £1800. Capital available.—Address, No. 580, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

Wanted, Junior Partner in old-established PRACTICE near London. Non-panel, non-dispensing. Share worth £1200 to £1400 at first, to be increased in two years. Age 27 to 31. University degree, house appointments, and some experience of general practice essential.—Address, No. 587, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Medical Practice in South of England for Sale; old established.—Particulars from GRAY & KELLAS, Solicitors, 12, Bon-Accord-crescent, Aberdeen.

London.—Cora Hotel. Upper Woburn-place, near B.M.A Headquarters. Accommodates 235 visitors. Modern comforts. Excellent table. A.A. and R.A.C. recommended. Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

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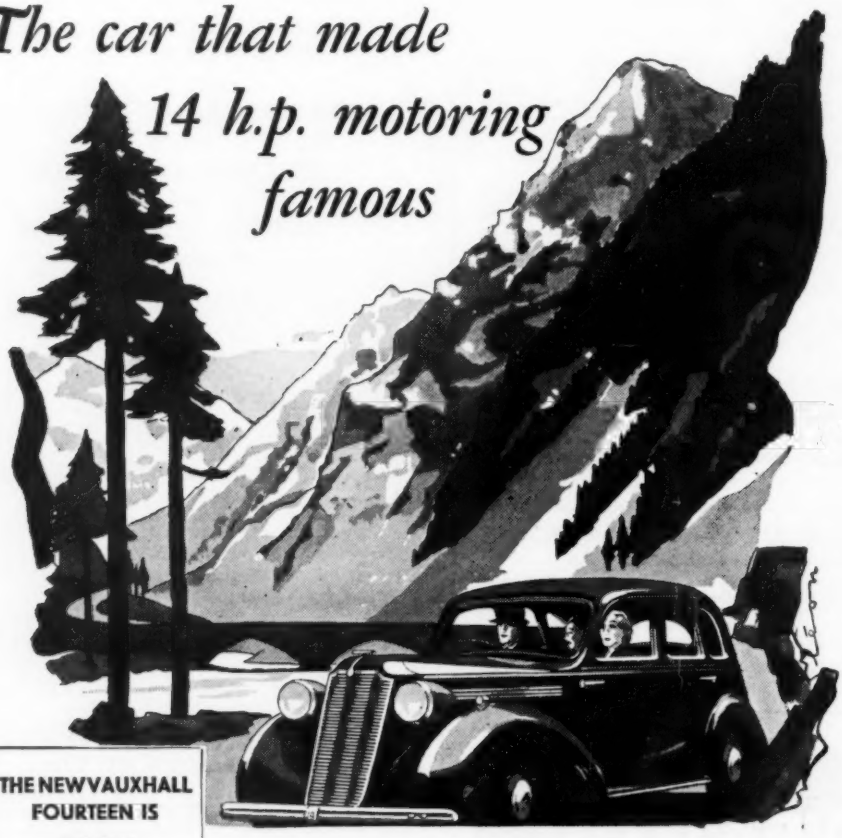

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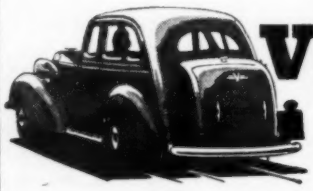

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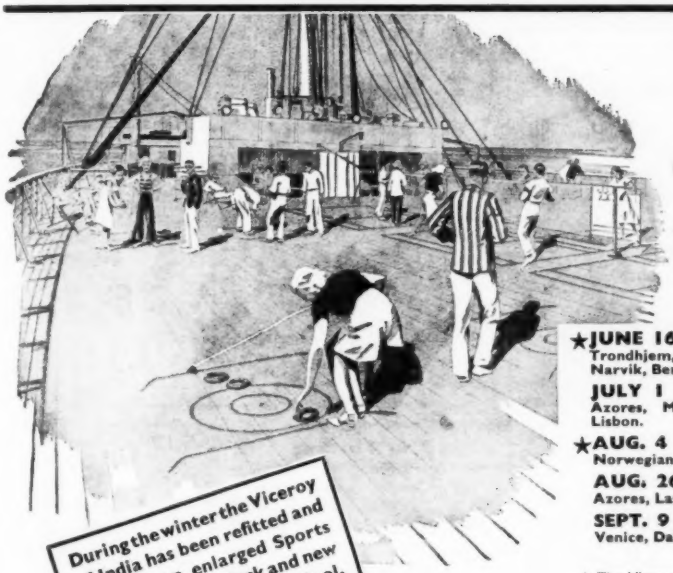

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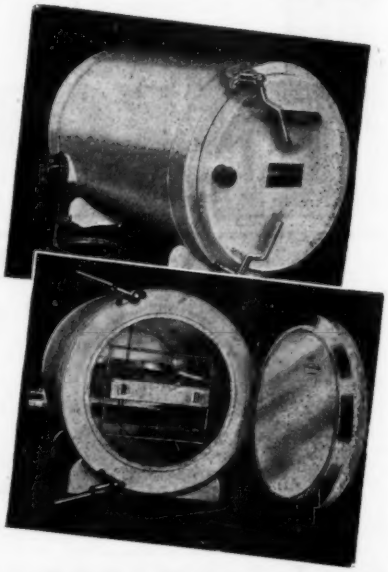
MAW STEROTHERM HOT AIR ELECTRIC AUTOMATIC STERILIZER

(Pat. No. 427581)

A thermostatically-controlled electrical apparatus for sterilizing Oils, Instruments, Glassware, Syringes, Dressings, and I.R. Gloves, etc., by means of Hot Air. Specially suitable for Hospitals, Nursing Homes, Doctors, Dentists, Veterinary Surgeons and Laboratory Work.

- Compact, Reliable and Convenient (2 sizes).
- High quality White Cellulose finish.
- Efficiently lagged.
- Polished Aluminium Heat Reflecting Lining.
- Easily read Thermometer.
- Automatic regulation of temperature.
- No supervision necessary in use.
- Very small current consumption.
- Articles remain sterile until required as closure is Bacteria-proof.
- Can be plugged in anywhere the voltage is suitable. Supplied in any voltage, complete with fittings.

Maw Sterotherms have already been supplied to a number of prominent London and Provincial Hospitals, the Crown Agents and various Councils, where they are giving every satisfaction.



Large size £22 18½ x 13 in. (inside).

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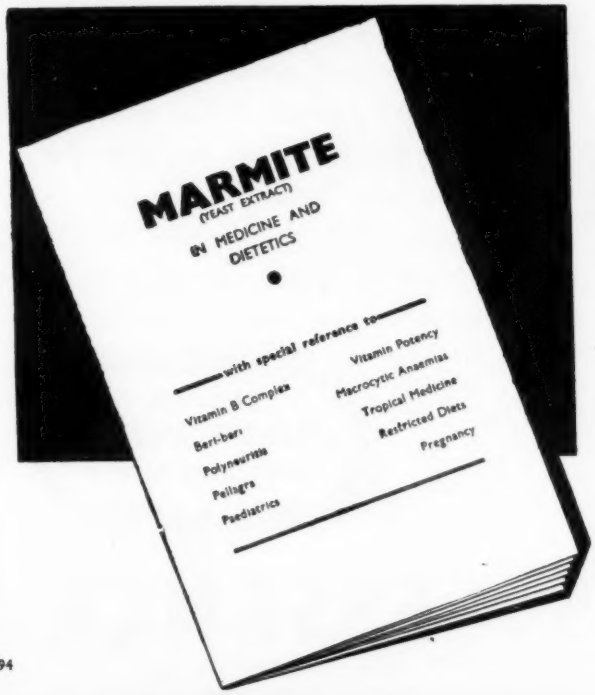
Sole distributors for Northern and Midland Counties, Messrs. Albert Browne Ltd. Chancery Street, Leicester.



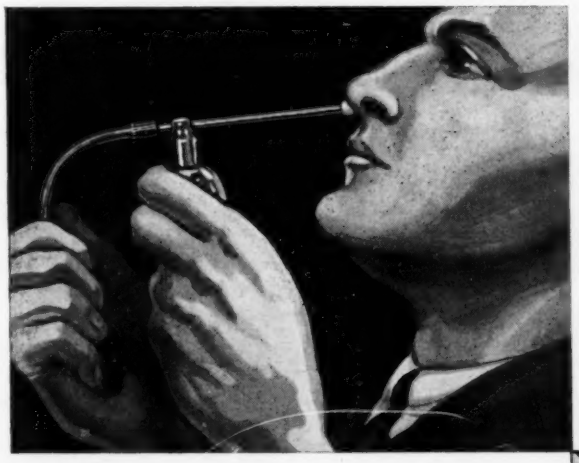
Marmite is being increasingly recommended for its high content of

- **VITAMIN B_1**
- **VITAMIN B_2 COMPLEX**
- **ANTI-ANAEMIC FACTORS**

Sample and literature on request

THE MARMITE FOOD EXTRACT CO. LTD.
35, Seething Lane — London, E.C.3

394



SPRAYED AS DIRECTED

Home treatment with an atomizer requires only a few seconds of your patient's time. Spraying is quick, easy and sends the solution where you want it to go. The illustrations, which are based on X-Ray research, clearly demonstrate the advantages of the atomizer as compared with the dropper.

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ATOMIZERS

The Aerograph Company, Limited
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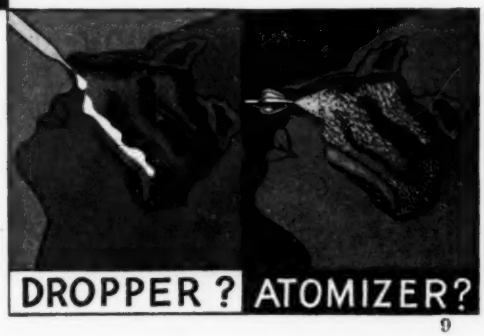
Telephones: Holborn 1257-1258



9

In high fever, when it is so essential to maintain strength, yet the slightest digestive disturbance would send temperature soaring, Brand's Essence is the only safe stimulant. It puts no strain on even the weakest system because it forms no solids at any stage of digestion. Within a few minutes of taking, all its proteins are *completely* absorbed, and available for conserving strength . . . combating fever. Containing no irritant meat fibre or added salty matter Brand's Essence does not cause thirst. It may be prescribed with confidence when no other stimulant can safely be given.

DOCTORS AGREE

IN FEVER, BRAND'S ESSENCE STIMULATES SAFELY

BRAND'S Chicken or Beef ESSENCE

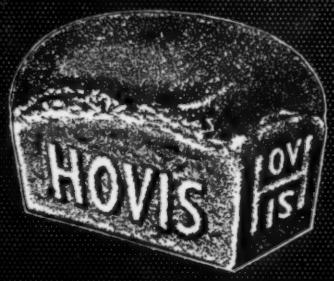
BRAND & CO. LTD., SOUTH LAMBETH ROAD, LONDON, S.W.8

EMLMJ438

HOVIS TRADE MARK

in Convalescence

Low starch content renders HOVIS very digestible especially with patients whose vitality is low



BEST BAKERS BAKE IT

25% ADDED WHEAT GERM · RICH IN FATS · VITAMIN 'B'

MEDICAL FACTS ABOUT TEA

In order to remove certain popular misconceptions about the chemical properties of Tea, thorough clinical and laboratory investigations have been conducted. The following is a brief summary of the main results of these investigations :—

(*a*) Tea as normally drunk is harmless and has no ill effects whatever on the human body. The amount of caffeine and tea tannin in tea is pharmacologically small.

(*b*) Tea tannin is a different substance from the tannic acid of the Pharmacopœia, which is a Pyrogallic tannin, and the two should not be confused.

(*c*) Clinical experiments have shown that the action of tea tannin is very much milder than that of tannic acid, and the different composition of the two tannins is proved by the fact that the tannic acid of the Pharmacopœia is about 25 times stronger as an acid than tea tannin.

(*d*) Many common beverages besides tea contain similar tannins.

(*e*) A thorough investigation reported in "The Analyst" (1936, Lxi, 310) could find no tea on the market which was free from tannin. If there were any such teas, they would be almost entirely tasteless.

ISSUED BY THE INTERNATIONAL TEA MARKET EXPANSION BOARD LTD

SEALED

not soiled

When milk is sealed and signed by Nestlé's it is a guarantee that it has been prepared under the most rigorous conditions of hygiene, tested for purity by the most exacting standards. Nestlé's Milk comes from the richest pastures in England, full of cream, full of nourishment. Only pure cane sugar is added. The precious health-giving vitamins of fresh milk are kept uninjured by the Nestlé process, while the large indigestible curd is broken down into a fine flaky suspension, which even the most delicate baby can digest. It is a splendid builder of straight, sturdy bones, and can be confidently prescribed for difficult or backward children.

Many hundreds of homes are made happy and grateful each year by the timely prescription of Nestlé's for an ailing child.

NESTLÉ'S MILK

The Case for a Whole Wheat Crispbread for the Diabetic and the Obese

EACH section of 'Vita-Weat' crispbread has a calory value of 37. 'Vita-Weat' is not in any sense a 'diabetic bread' or a 'slimming bread', but it has been found most useful in the prescription of diets. Because sensitive diabetic patients shrink from the use in public of special breads that label them and remind them unhappily of their disability; because a 'slice of bread' is a very indefinite amount, liable to be estimated in accordance with the patient's desires rather than in strict approximation to weight: 'Vita-Weat', a whole wheat crispbread, can be prescribed in exact quantities, and taken with ease. A portion of 'Vita-Weat' means a definite and constant quantity of proteins, fats, carbohydrates and other important elements in food.

In addition the prescription of 'Vita-Weat' ensures the presence in a restricted diet of necessary protective elements, vitamins and mineral salts.

διὰ δὴ ταύτην τὴν αἰτίην καὶ οὗτοί μοι δοκέουσι ζητῆσαι τροφὴν ἁρμόζουσαν τῇ φύσει καὶ εὑρεῖν ταύτην, ἣ νῦν χρεώμεθα. ἐκ μὲν οὖν τῶν πυρῶν βρέξαντές σφας καὶ πτίσαντες καὶ καταλέσαντές τε καὶ διασήσαντες καὶ φορύξαντες καὶ ὀπτήσαντες ἀπετέλεσαν ἄρτον.

HIPPOCRATES :—ΠΕΡΙ ΑΡΧΑΙΗΣ ΙΗΤΡΙΚΗΣ, 3.16–21

Nor is 'Vita-Weat' a fat-forming food. In the treatment of Diabetes and Obesity it has been prescribed extensively for years in several of the best known London Hospitals.

● *A little booklet has been prepared for the medical profession, briefly summarising these and many other points in the case for a whole wheat crispbread. It will gladly be sent free to any doctor on application to Peek Frean & Co. Ltd., Keetons Road, London, S.E.16*

Vita-Weat (Reg'd)

THE BRITISH WHOLE WHEAT CRISPBREAD

Pediatrists approve these purées

A range of Strained Foods giving maximum nutritive values

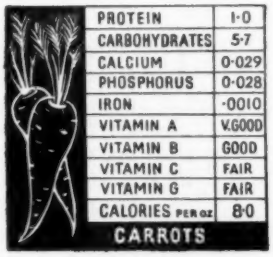
THE nutritional value of vegetable purées for infants and soft diet cases is receiving the endorsement of the medical profession to a very marked degree.

Hitherto the difficulties and deficiencies of home preparation—inefficient sieving and destructive oxidation—not to mention the tedium and labour involved—have hindered practical application, but the introduction of a complete range of strained foods by H. J. Heinz Co. Ltd. has been universally accepted as the solution of this problem.

H. J. Heinz Co. Ltd., with their exceptional experience in food preparation, have recognised the legitimate possibilities of supplying strained foods of that maximum nutritive value, uniformity and convenience which only good factory practice can achieve.

The vegetable and fruit purées of H. J. Heinz Co. Ltd. are prepared under conditions of the most scrupulous care with special reference to minimising mechanical loss of mineral salts and other soluble nutriments. The edible portions are washed and trimmed and then cooked under light steam pressure until in perfect disposition for comminution by extrusion and cutting. All mineral salts, vitamins and other soluble nutriments are retained, while harsher fibres, if any, are so reduced as to be non-irritant. The raw materials are purchased when and where seasonal and regional conditions of growth are most favourable, and only fresh gathered vegetables of the highest quality are used.

After the straining process the purée is adjusted to a proper solid content convenient for marketing. Absorbed air is removed and sealing *in vacuo* follows in specially prepared enamel-lined containers. The process concludes with high-temperature sterilisation.



PROTEIN	1·0
CARBOHYDRATES	5·7
CALCIUM	0·029
PHOSPHORUS	0·028
IRON	·0010
VITAMIN A	V.GOOD
VITAMIN B	GOOD
VITAMIN C	FAIR
VITAMIN G	FAIR
CALORIES PER OZ	8·0

CARROTS

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

NOTE: Glass containers are not used owing to the deteriorating effect of light on vitamin content and on the palatability of the products.

HEINZ STRAINED FOODS

SPINACH
TOMATOES
CARROTS
VEGETABLE SOUP
PEAS
GREEN BEANS
MIXED GREENS
BEETS
PRUNES
CEREAL
APRICOTS AND APPLE SAUCE
BEEF & LIVER SOUP

★ *Fully explanatory literature and samples gladly sent on request.*

H. J. HEINZ COMPANY LIMITED, HARLESDEN, LONDON, N.W.10

'. . . *the rise in R.B.C. is certain and quick*' - - —M.B. Ch.B.

In commenting upon the excellent results following the administration of Anahæmin B.D.H. in a case of pernicious anæmia, a physician states 'the dose usually administered is 1 c.c. weekly . . . the rise in R.B.C. is certain and quick . . . remarkably active stuff'.

ANAHÆMIN B.D.H.

Sample on request

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An/S/57

Confidence in Antisepsis

The high germicidal efficiency of 'Dettol,' combined with its special properties of safety and convenience, have won for it a leading position in hospitals and private practice. 'Dettol' maintains its efficiency in the presence of blood and other organic matter, and can be used in high concentration thus giving a wider margin of safety. It is absolutely non-poisonous and non-staining, and possesses a distinctly pleasant smell.

Sold by Chemists and Medical Suppliers in bottles, 1/-, 1/9, 3/-, 5/- and 7/6, and in larger sizes for Medical and Hospital use. These prices do not apply in Eire or Overseas. Sample, and full information on request.

'DETTOL' TRADE MARK

THE MODERN ANTISEPTIC

RECKITT AND SONS, HULL AND LONDON. (PHARMACEUTICAL DEPARTMENT, HULL)

Massive Iron Therapy in the treatment of Secondary Anæmia

COLLIRON

This preparation contains 10 per cent. of iron in the form of colloidal iron hydroxide, and one fluid drachm is equivalent to 12 Blaud's Pills or 32 grains of iron and ammonium citrate. Colliron replaces, with advantage, the older form of pharmaceutical iron as it is readily assimilated and does not aggravate the digestive troubles which frequently accompany the anæmias. The formation of hæmoglobin is assisted by traces of copper.

DOSE: Adults—20 minims three times daily after meals.
Children—5 to 10 minims three times daily after meals.

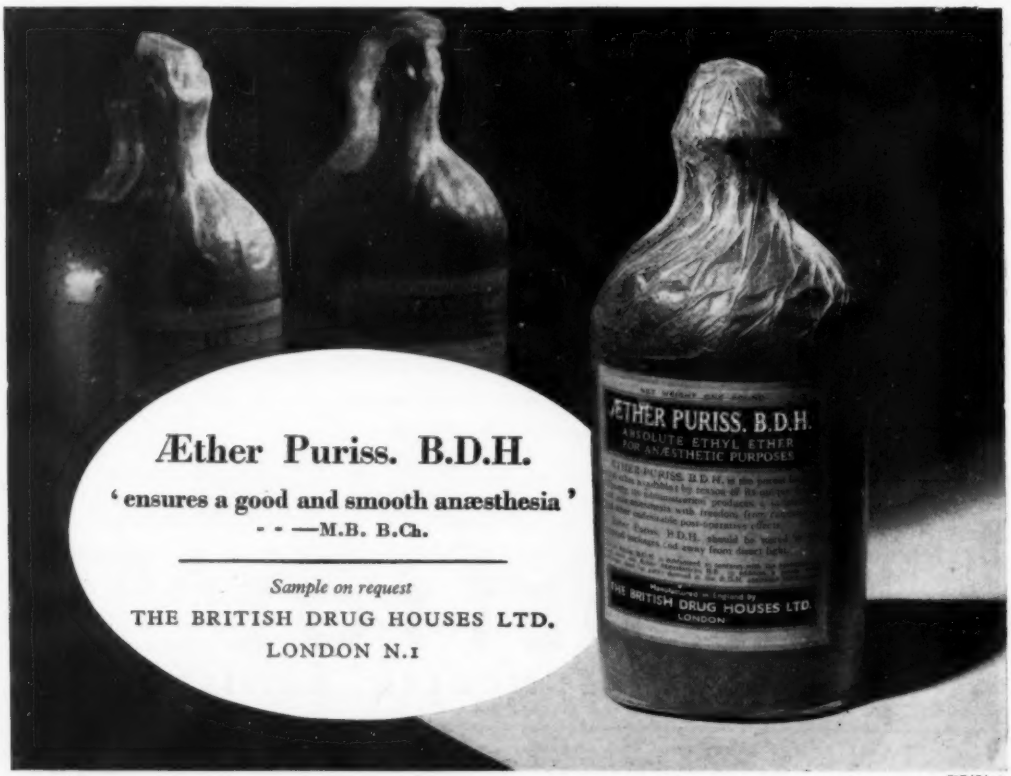
Issued in

Bottles of 4-fld. oz.	8-fld. oz.	16-fld. oz.	40-fld. oz.	80-fld. oz.
3/-	5/4	9/8	22/-	40/-

Made at The Evans Biological Institute

Evans Sons Lescher & Webb Ltd.

Liverpool and London

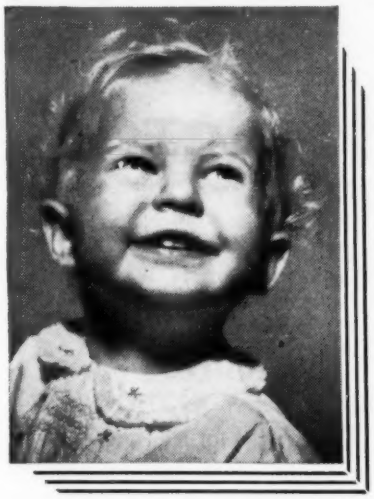


Æther Puriss. B.D.H.

'ensures a good and smooth anæsthesia'
- - —M.B. B.Ch.

Sample on request

THE BRITISH DRUG HOUSES LTD.
LONDON N.1



THE IDEAL LAXATIVE FOR CHILDREN

No finer aid to bowel motion for children could be desired. Its gentle non-irritant action and the eager way in which the small patient welcomes its pleasant flavouring make it indispensable in the treatment of childish disorders.

For habitual constipation prescribe 'Petrolagar' Plain, the blue label variety which contains no active cathartic or purgative drug. If digestive disturbance should also be present use 'Petrolagar' Alkaline for its bland soothing effect and gentle correction of acidity.

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'Petrolagar'
BRAND PARAFFIN EMULSION Regd. Trade Mark

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25, OLDHILL PLACE, LONDON, N.16
Distributors for Petrolagar Laboratories Ltd.

URALYSOL

ELIMINATOR & SOLVENT OF URIC ACID

Gout

Osteo-arthritis

Rheumatic diathesis

FORMULA

Thyminic Acid	0·10
Hexamethylenetetramine-Anhydromethylenecitrate	0·50
Hexamethylene Tetramine	2·50
Piperazine Tartrate	0·25
Lithium Carbonate	1·00
Sodium Benzoate	1·00
Effervescent Base	ad 100

DIRECTIONS

One teaspoonful to be taken morning and night in a tumblerful of water.

Samples and literature on request.

CONTINENTAL LABORATORIES LTD. 30 MARSHAM ST. LONDON S.W.1

GLANOID

ANTI-MENORRHAGIC FACTOR "GLANULES"

ANTI-MENORRHAGIC FACTOR IS A NEWLY DEMONSTRATED ACTIVE FRACTION OF MAMMALIAN LIVER.

CLINICAL RESEARCH HAS REVEALED THAT THE OUTSTANDING ACTION OF THIS FRACTION IS THAT OF CHECKING THE FUNCTIONAL UTERINE HÆMORRHAGE OF MENORRHAGIA AND METRORRHAGIA.

SUPPLIED IN BOTTLES OF 25, 50, & 100 "GLANULES"

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Better Salicylate Therapy

WHATEVER be the season of the year, there is a wide sphere of utility for "Alasil," the improved form of salicylate medication. "Alasil" is a very definite advance on ordinary compounds of salicylic or acetyl-salicylic acid both in therapeutic efficiency and in freedom from unpleasant gastro-intestinal sequelæ. This high tolerability is due to the fact that "Alasil" is composed of calcium acetyl-salicylate—the least irritating of the salicylate compounds—and "Alocol" (Colloidal Hydroxide of Aluminium), a powerful gastric sedative and antacid.

A careful series of experimental tests has recently shown that "Alasil" is more completely absorbed than ordinary salicylate compounds, and that it is practically free from the risk of liberating free salicylic acid in the stomach. Wide clinical experience anticipated these findings by demonstrating that the use of "Alasil" can be pushed or prolonged to a much greater extent than ordinary salicylate compounds, and that it can be given with equal safety to children, adults, the aged, and patients with finely-balanced digestive capacities.

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M269

MANDECAL

(Compound Calcium Mandelate B.D.H.)

All the disadvantages of mandelic acid therapy for delicate or hypersensitive patients are obviated by the use of Mandecal. The necessary degree of urinary acidity is readily produced without the collateral administration of ammonium chloride, which is often irritating and nauseating. Further, the use of the calcium salt of mandelic acid eliminates even the slightly nauseating effect of the sodium and ammonium salts, rendering the treatment eminently suitable for employment even during all stages of pregnancy when gastric toleration is notably low. Mandecal is a smooth, light powder containing in each level dessertspoonful (4.5 grammes) the equivalent of 3 grammes of mandelic acid. The marked physical intractability of calcium mandelate has been overcome in Mandecal, which mixes readily with water to form a smooth, pleasantly-flavoured suspension acceptable to the most fastidious patients.

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Mncl/S 20

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NOVASORB

(Brand of Magnesium Trisilicate)

is of proven value

NOVASORB possesses distinct advantages over the common alkaline powders. Its action is more prolonged, there is no formation of gas in the stomach and neither is there any risk of alkalosis resulting from its continued administration. NOVASORB does not interfere with peristaltic function beyond exerting a slight laxative effect in certain cases.

Issued as follows :—

Powder—Bottles of	2-oz.	4-oz.	8-oz.	16-oz.	5-lb.
	1/6	2/6	4/9	8/3	33/9
Tablets of 20 grains—Tins of	48	250			
	2/3	9/6			

Manufactured at Evans Fine Chemical Works by

Evans Sons Lescher & Webb Ltd.

Liverpool and London

Anorexia in Malignant Disease...

The loss of appetite which so often accompanies malignant disease of the alimentary tract does much to accentuate the depression and so add to the difficulty of nursing.

One dram of 'BiSoDoL' administered shortly before each meal will counteract the acidity and prevent the flatulence which the recumbent patient experiences and which make him "fear" his meals rather than look forward to them.

'BiSoDoL' contains Papain and Diastase, the digestive powers of which aid weakened assimilation.

Samples of Pulv. BiSoDoL or BiSoDoL Tablets on request.

BiSoDoL REGD

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The treatment of biliary affections generally requires regulation of diet and, for a time at least, adjustment of the mode of living. The medicinal treatment is adequately supplied by Veracolate Tablets.

By its cholagogic action, Veracolate stimulates the formation of bile, keeps it freely flowing, and maintains cholesterol in solution thereby preventing its precipitation. These effects are accomplished by highly purified bile salts — sodium glycocholate and taurocholate. In addition, the laxative properties of Veracolate provide for the relief of intestinal stasis which is generally present in gall-bladder disease.

Veracolate serves as a reliable cholagogue in the treatment as well as in the prevention of cholecystitis, cholelithiasis and other functional disorders of the liver and gall-bladder.

Veracolate brand Tablets are supplied in bottles of 50, 100 and 500.
Samples and literature on request.

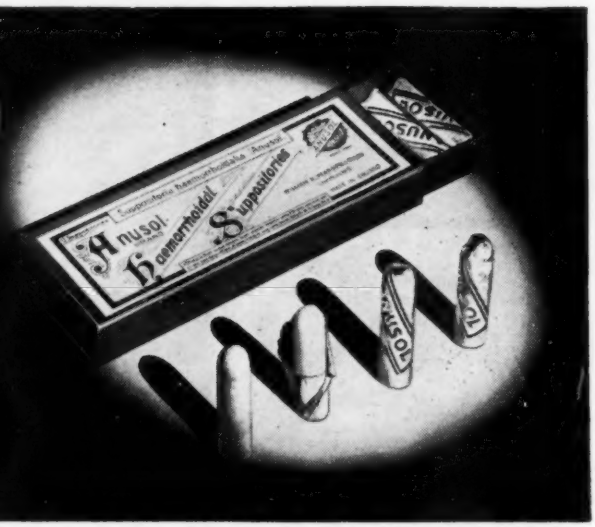
WILLIAM R. WARNER & CO. LTD., POWER ROAD, CHISWICK, LONDON, W.4

VERACOLATE

BRAND TABLETS

A TRUE CHOLAGOGUE

THE NEED EXISTS - AND IS FULFILLED



Injection for hæmorrhoids is a well-established treatment. There may exist, however, certain local conditions which proctologists regard as contraindications and which must be alleviated before injections are made. Among such conditions are inflammation, fistula, fissure and ulceration, all of which may be effectively relieved with Anusol Brand Hæmorrhoidal Suppositories.

Anusol Suppositories relieve pain, allay inflammation and reduce congestion. They aid in the control of hæmorrhage, soothe and protect the affected part. The fæces are softened, constipation is relieved and evacuation is rendered easy and less painful. In short, Anusol Suppositories provide for the patient a period of relative comfort.

No systemic effects are produced; there is no masking of symptoms; the improvement that results is genuine. Anusol Suppositories are safe under any condition.

Supplied in boxes of 12 Suppositories, also in boxes of 50 for dispensing.

ANUSOL BRAND
HÆMORRHOIDAL SUPPOSITORIES

Available also in Ointment form.

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After The First Step
by S. F. Pelee

Vitamins A, B_1, B_2 *and* D
Calcium and Phosphorus
Liver and Malt Extracts

IN ONE PALATABLE PRODUCT

ABBOTT'S HALIVER MALT with Viosterol is biologically standardised for vitamins A, B_1, B_2 and D. Each teaspoonful is equivalent in vitamin A potency to at least one teaspoonful of high grade cod-liver oil; in vitamin D potency to five drops of Viosterol in Oil. In vitamins B_1 and B_2, three teaspoonsful are equivalent to at least one cake of moist, compressed yeast. The liver extract in this preparation is a standardised extract and contains the necessary factors for the production of mature red blood corpuscles. The pure barley malt extract supplies diastase and a number of valuable nutritive substances. ● Each fluid ounce of Haliver Malt with Viosterol contains not less than: 27,000 International units of vitamin A; 50 International units of vitamin B_1; 50 Sherman units of vitamin B_2; 7,000 International units of vitamin D; the equivalent of 5 grs. of mono-calcium phosphate; and the equivalent of ½ oz. of fresh, mammalian liver. ● Because the vitamin A and D content of this product is supplied by Haliver Oil (halibut-liver oil, Abbott) and Viosterol, *Haliver Malt with Viosterol is entirely free from the disagreeable "fishy" taste to which so many patients object in malt preparations containing cod-liver oil.* ● Abbott's Haliver Malt with Viosterol is supplied through pharmacies in 8-ounce and 32-ounce bottles. Requests for professional literature are invited.

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Abbott's
HALIVER MALT
BRAND
with Viosterol

Please send literature on Abbott's Haliver Malt with Viosterol to

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for the treatment of PEPTIC ULCER

'ALUDROX'

BRAND REGD.

AMPHOTERIC GEL

(*Colloidal Aluminium Hydroxide*)

Q. Can aluminium hydroxide gel be shown effectively to neutralise the gastric contents ?

A. "*We believe that . . . aluminium hydroxide possesses . . . neutralising powers as great as those of ordinary doses of alkaline powders.*" *

Q. Is it an effective substance in the clinical treatment of peptic ulcer ?

A. "*. . . in general the clinical impression was that the benefit was fully equal to what was derived from the alkaline powder.*" *

Q. Is there any justification for the claim that it cannot produce alkalosis ?

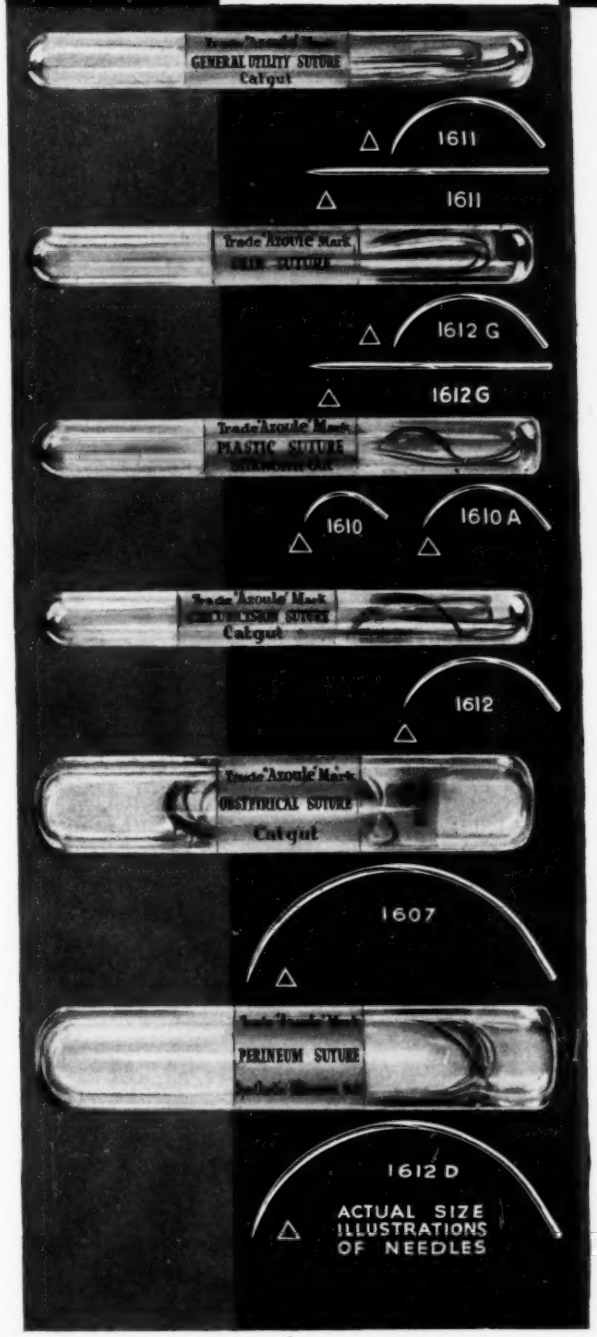
A. "*Our inquiry, admittedly limited in extent, therefore suggests that the claim that aluminium hydroxide does not produce alkalosis is justified.*" *

* See "Colloidal Aluminium Hydroxide in the Treatment of Peptic Ulcer," published in *The Lancet*, 4th March, 1939.

We suggest that you would find 'Aludrox' (Aluminium hydroxide gel) of great assistance in your treatment of peptic ulcer and hyperacidity. May we send specimens and literature ?

JOHN WYETH & BROTHER LTD, 25 OLDHILL PLACE, LONDON, N.16

FOR MINOR SURGERY



AUTHENTICATED A&H EYELESS NEEDLES SUTURES

Ministry of Health Licence No. 6B

Each suture represents the consensus of professional opinion as to the type of needle and suture material most suitable.

All needles are made of stainless steel, and owing to an improved method of attachment, there is no mutilation at the point where the needle joins the suture material.

All A. & H. eyeless needles are slightly flattened at head so as to prevent rotation in needle holder.

Descriptive leaflets will be sent on application.

Allen & Hanburys Ltd.

Manufacturers of Surgical Instruments and Appliances, Hospital Furniture, Sterilized Surgical Sutures, and Electro-Medical Apparatus.

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A Definite Objective Attained

● Gratifying clinical results are promptly observed when 'Lextron' brand liver-stomach concentrate with iron and Vitamin B complex is prescribed in the anemias. 'Lextron' contains antianemic principles effective in both pernicious and related macrocytic anemias and microcytic or secondary anemias. Red cell formation and hemoglobin production are stimulated by these factors.

The distinctive reddish-brown colour of 'Pulvules' 'Lextron' identifies the product, and a further mark of identification is afforded by the trade mark 'Pulvules' brand filled capsules on the upper half of each capsule. Literature furnished upon request.

Supplied through the drug trade in bottles of 42, 84, and 500 capsules.

ELI LILLY AND COMPANY LIMITED

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Distributing Agent in Britain for Eli Lilly and Company, Indianapolis, U.S.A.

TRADE MARK **'WELLCOME'** BRAND

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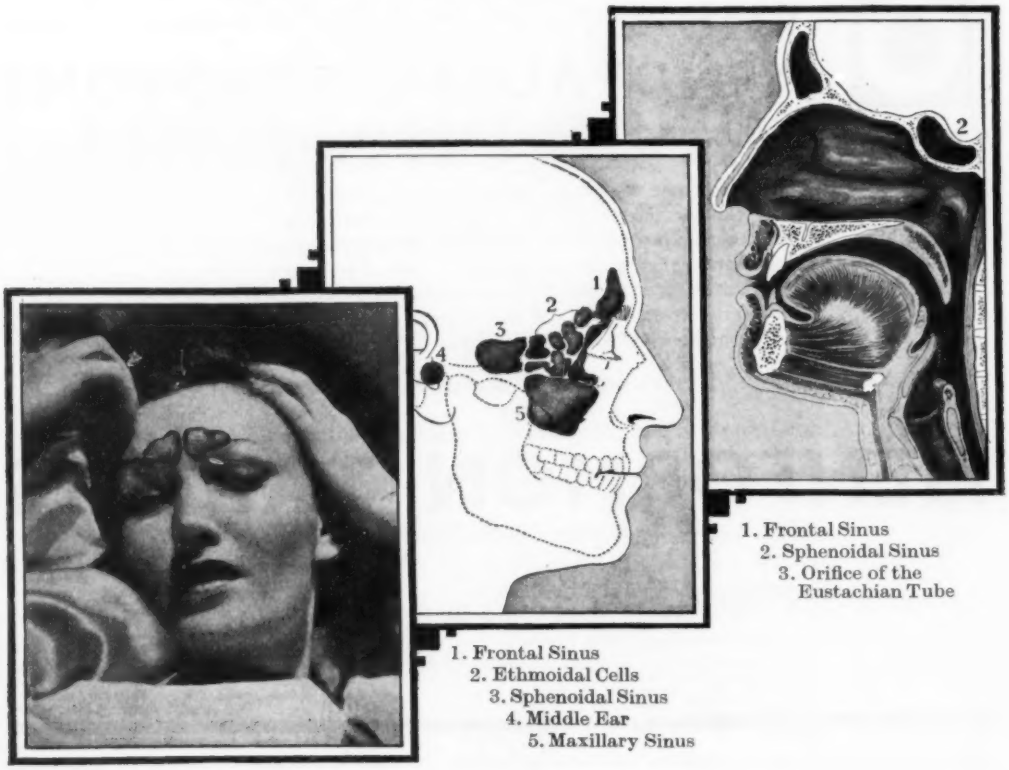

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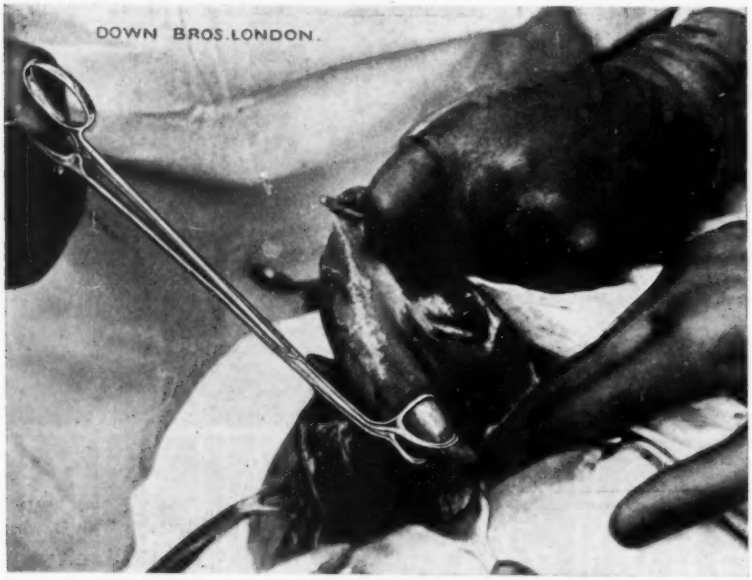

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MAY 2nd.—WILSON SMITH, M.D., Ch.B. (Member, Scientific Staff, National Institute for Medical Research).	"The Prevention and Control of Virus Diseases."
MAY 9th.—VICTOR DOUGLAS ALLISON, M.D., B.Ch., D.P.H. (Medical Officer, Ministry of Health).	"The Mode of Spread of Acute Streptococcal Infections."
MAY 16th.—ALAN STERLING PARKES, M.A.(Cantab.), Ph.D., D.Sc., F.R.S. (Member, Scientific Staff, National Institute for Medical Research).	"The Hormones of the Anterior Pituitary Body."
MAY 23rd.—Prof. EDGAR DOUGLAS ADRIAN, M.A., M.D.(Cantab.), D.Sc. (Professor of Physiology in the University of Cambridge).	"The Instability of the Brain."
MAY 30th.—JOSEPH NEEDHAM, M.A., Ph.D., Sc.D.(Cantab.) (Sir William Dunn Reader in Biochemistry, University of Cambridge).	"Genes, Organisers and Pathology."
JUNE 6th.—Prof. JOHN RICHARDSON MARRACK, M.D.(Cantab.), M.A. (Professor of Chemical Pathology, University of London).	"The Chemical Bases of Immunity Reactions."
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The above House is for the care and treatment of persons suffering from mental diseases and nervous disorders. Certified voluntary and temporary patients are received. Separate houses for treatment and accommodation of special cases adjoin the Institution. Occupational therapy, physical drill, and other forms of modern treatment. There is a seaside branch, Kearsney Court, near Dover, to which patients may be sent for treatment or on holiday. Motor drives are arranged when required. Tennis courts. Entertainments, dances, and indoor amusements held throughout the year. Terms from £3 3s. per week. Illustrated prospectus and further particulars can be obtained from the MEDICAL SUPERINTENDENT.

FAIRFORD RETREAT, Gloucestershire

(Within two hours of London.) **ESTABLISHED 1822.**

Home life for Ladies and Gentlemen MENTALLY AFFLICTED. Voluntary Patients received without Certificates. The Retreat is pleasantly situated in extensive grounds on the banks of the River Coine, a part of which celebrated trout stream flows through the Estate. There is every facility for sport and Occupational Therapy. The neighbourhood abounds in pleasant walks, and Fairford, being in the Cotswolds on a dry oolitic soil, is remarkably healthy. Own farm and dairy produce.

For terms, which are very moderate, apply to the proprietor, Dr. A. C. King-Turner, The Retreat, Fairford, Glos. Telephone 9.

THE COTSWOLD SANATORIUM

First opened in 1898 and rebuilt in 1925 on the Cotswold Hills seven miles from Cheltenham, for the treatment of Pulmonary and all other forms of Tuberculosis. Aspect S.S.W., sheltered from North and East, elevation 800 feet. Pure bracing air, SPECIAL TREATMENT by artificial PNEUMOTHORAX (X-ray controlled). TUBERCULINS, and ULTRA-VIOLET RAYS is available when necessary without extra charge. X-RAY plant, Fully Equipped Dental Department, Electric Light Radiators, hot and cold basins and Wireless in all rooms. Up-to-date drainage. Full day & night Nursing Staff. **Terms: 5 to 7½ Guineas a week inclusive.**

Med. Supt.: GEOFFREY A. HOFFMAN, B.A., M.B., T.C. Dub. *Asst. Phys.:* MARGARET A. HARRISON, M.B., B.S. Lond. *Cons. Laryngologist:* G. N. BARKER, F.R.C.S. Edin., D.L.O. *Cons. Dent. Surgeon:* GEORGE V. SAUNDERS, L.D.S.R.C.S. Lond. *Phone:* 81 & 82 Witcombe. Apply: *The Secretary, The Cotswold Sanatorium, Cranham, Gloucester. Telegrams:* "Hoffman, Birdlip."

PRIOR PLACE SANATORIUM

HEATHERSIDE, CAMBERLEY, SURREY.

FOR THE TREATMENT OF PULMONARY TUBERCULOSIS

Well situated on high ground and surrounded by pines and heather.
All rooms are fitted with electric light, wash basins with hot and cold water, and radiators.
X ray plant. Day and night nursing staff.

RESIDENT MEDICAL SUPERINTENDENT: Dr. H. O. BLANFORD, to whom application for admission can be made

COURT HALL, KENTON, near EXETER

FOR THE TREATMENT OF EIGHT LADIES, VOLUNTARY, TEMPORARY AND CERTIFIED PATIENTS

CLIFFDEN, TEIGNMOUTH

FOR EARLY AND CONVALESCENT CASES Recreational Therapies are held daily by skilled Leaders

The house stands high with spacious balconies and extensive views of the South Devon Coast. Beautiful garden. Own Dairy in 25 acres. Private road to beach. There is also a charming house, **EBWORTHY, MANATON, DARTMOOR,** situated in 20 acres, 1100 ft. up for bracing moorland air.

Resident Physicians—BERTHA M. MULES, M.D., B.S. ANNE S. MULES, M.R.C.S., L.R.C.P.

Telephones—STARCROSS 59 and TEIGNMOUTH 289

THE OLD MANOR SALISBURY

A Private Hospital for the Care and Treatment of those of both sexes suffering from MENTAL DISORDERS.

Extensive grounds. Detached Villas. Chapel. Garden and Dairy Produce from own farm. Terms very moderate.

CONVALESCENT HOME AT BOURNEMOUTH Detached Villas standing in 12 acres of ornamental grounds, with tennis courts, etc., which Voluntary, Temporary or Certified Patients may visit by arrangement for long or short period.

Illustrated Brochure on application to the Medical Superintendent. The Old Manor, Salisbury. Telephone: Salisbury 3216 and 3217.

CHEADLE ROYAL HOSPITAL, Cheadle, Cheshire.

This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone* · *Gatley* 2231 (3 lines).

CALDECOTE HALL

NUNEATON
WARWICKSHIRE

('Phone: Nuneaton 241)

Residential treatment of

"Nervous Disorders" & Alcoholism

(Certifiable cases are not received)

This beautiful mansion situated in the heart of the country (less than two hours from London by L.M.S.R.) and surrounded by charming pleasure grounds in which games and outdoor occupational therapy are available is devoted to the treatment of Alcoholism and "Nerves" by psychotherapeutic and ancillary methods.

Illustrated Brochure and particulars obtainable from A. E. CARVER, M.D., D.P.M., Resident Medical Superintendent.

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

PENDYFFRYN HALL SANATORIUM

All Modern Methods of Treatment Available.

Ideally situated for the treatment of Tuberculosis. Sheltered from E. & N.E. winds. Climate mild and bracing. Low rainfall, high average of sunshine. The Sanatorium is situated in its own park. There are miles of graduated walks through pine, gorse and heather, rising to 800 ft., and commanding extensive sea and mountain views. Central heating, electric light, X ray installation. Wireless in all rooms. Full day and night nursing staff. Special milk supply from a tuberculin tested herd. Easily accessible from LONDON (4½ hours), MANCHESTER, LIVERPOOL, BIRMINGHAM and the North.

Rooms now available from 5 guineas weekly.

Resident Physicians: **Dennison Pickering, M.D.; S. A. Yaffe, M.D.**

For particulars apply to the Secretary, Pendyffryn Hall, near Penmaenmawr, North Wales. 'Phone 20.

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

HURSTWOOD PARK HOSPITAL AND BEECHMONT HOUSE

HAYWARDS HEATH, SUSSEX

The Committee of the Brighton Mental Hospital have provided accommodation for private patients of both sexes where the treatment of nervous disorders from the earliest stages is undertaken, e.g., psycho-therapy, occupational methods and hydro-therapy. In Hurstwood Park Hospital there are fully equipped surgical and dental units and bio-chemical and bacteriological laboratories. Hurstwood Park Hospital and Beechmont House are situated in pleasant woodland entirely separated from the main institution and have some of the finest views in Sussex.

Brochure on application to the Medical Superintendent. *Telephone: Haywards Heath 897.*

THE LAWN, LINCOLN

A Registered Hospital for Mental and Nervous Diseases situated in Lincoln near the Cathedral and Castle. The grounds are well-laid out and spacious, containing tennis and croquet courts, and the Hospital is within easy reach of the City. Certified, temporary and voluntary patients are received. Treatment includes occupational therapy, and psychotherapy in suitable cases. Further particulars from the Medical Superintendent.

TELEPHONE 165.

CRICHTON ROYAL, DUMFRIES

For NERVOUS AND MENTAL DISORDERS

Separate Villa for patients sufiering from the effects of of alcoholism and drug addiction.

Every facility for complete investigation and individual treatment on the most modern lines. Physiotherapy Department fully equipped for X-ray work, heliotherapy, short-wave therapy, electrotherapy, and hydrotherapy.

Fully equipped gymnasium and indoor swimming pool under qualified instructors. Facilities under special recreational therapists for all indoor and outdoor games, including squash, badminton, table tennis, golf, cricket, football, hockey, lawn tennis, croquet, and bowling. The hospital has its own Church, Library, Cinema, and Café.

The hospital grounds extending to nearly 1000 acres are situated in delightful country and include an extensive farm (T.T. herd), gardens, and orchards.

Private rooms, suites, villas, and special nurses available. As the hospital is well endowed terms are exceptionally moderate, e.g., First Department 3 to 30 guineas per week, Second Department 2 and 2½ guineas per week. Voluntary and certified patients are received. Medical Certificates given anywhere in the British Isles are valid for admission of patients.

For prospectus, necessary forms, and further information apply to :—

Physician Superintendent, **P. K. McCowan**, J.P., M.D., F.R.C.P., D.P.M., Barrister-at-Law. *Tel.* Dumfries 1119.

TOR-NA-DEE SANATORIUM

MURTLE, DEESIDE, ABERDEENSHIRE

FOR THE DIAGNOSIS AND TREATMENT OF ALL FORMS OF TUBERCULOSIS

Managing Director: DAVID LAWSON, M.D., F.R.S.E.

Southern aspect. Low rainfall. Pure bracing air. Sheltered grounds. Beautiful surroundings. All modern equipment for diagnosis and treatment, including operating theatre. **No extra charge for X Rays, Artificial Pneumothorax, Ultra-Violet Light, or other special treatment.**

Day and night Nursing Staff. All bedrooms have central heating, electric light, hot and cold running water, and wireless (head-phones). Comfortable and airy public rooms.

Medical Superintendent: J. M. JOHNSTON, M.B., M.R.C.S., D.P.H. For terms and prospectus apply to the Secretary.

Telephone: Cults 107.

NEW LODGE CLINIC,

WINDSOR FOREST.

New Lodge Clinic was founded in 1921 in order to provide for the scientific investigation and treatment of disease by a " team " of physicians and specialists.

All forms of non-infectious medical cases are admitted, special attention being paid to disorders of digestion and metabolism, arthritis, anæmias, asthma, heart and kidney disease, tropical diseases, and functional and organic nervous disorders.

Particulars can be obtained on application to

The Secretary, New Lodge Clinic, Windsor Forest, Berks. *Telephone:* 181 & 182, Winkfield Row

BROMPTON HOSPITAL
and FRIMLEY SANATORIUM

PAYING PATIENTS RECEIVED
BOTH MEDICAL and SURGICAL CASES
5 to 8 guineas per week at the Hospital. 3 to 4 guineas per week at the Sanatorium

APPLY TO THE SECRETARY:—BROMPTON HOSPITAL, S.W.3

SHAFTESBURY HOUSE
FORMBY-BY-THE-SEA, Nr. LIVERPOOL

Specially built and licensed for the care and treatment of a limited number of Ladies and Gentlemen suffering from NERVOUS and MENTAL breakdown. Voluntary and certified patients received. Ladies also admitted as Temporary Patients without certification. Terms moderate. *Apply*, RESIDENT PHYSICIAN, who may be seen at 31, Rodney Street, Liverpool, by appointment. *Tel. No.* 8 *Formby.*

PARK SANATORIUM
(FORMERLY SANATORIUM TURBAN)
DAVOS-PLATZ, SWITZERLAND

First-class house, 5,150 ft. above sea-level. Large park and wood belonging to the sanatorium. Terms for board and residence, including room, medical treatment, etc., from Frs. 16.- per day. Prospectus.
Medical Superintendent, F. BAUER, M.D.

PRIVATE NERVOUS AND MENTAL PATIENTS

London County Council. — Accommodation for Male Patients suffering from nervous and mental disorder (voluntary, temporary, or certified) is provided in the private section of Claybury Hospital, Woodford-bridge, Essex. Terms, exclusive of clothing and special luxuries, 49s. a week for London cases, 53s. 1d. a week for others.

For particulars apply to the Medical Superintendent at the Hospital, or to the Chief Officer, Mental Hospitals Department, Shell-Mex House, Strand, W.C.2.

NORTHUMBERLAND HOUSE
GREEN LANES,
FINSBURY PARK, N.4

A PRIVATE HOSPITAL for the treatment of mental and nervous illnesses. Conveniently situated and easy of access from all parts. Occupational Therapy, Psychotherapy, and other modern forms of treatment.
Telephone: Stamford Hill 2688.
For further particulars apply to the MEDICAL SUPERINTENDENT.

HOME FOR EPILEPTICS
MAGHULL (near LIVERPOOL)
FARMING and OPEN AIR OCCUPATION for PATIENTS
A few vacancies in 1st and 2nd Class Houses.
FEES: 1st Class (men only) from £5 5s. per week upwards.
2nd Class (men and women) 32/- per week.
For further particulars apply:
C. EDGAR GRISEWOOD, A.C.A., Secretary
20, Exchange Street East, Liverpool, 2

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.
Apply to Dr. J. A. SMALL.
Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

THE ARCHER NERVE TRAINING COLONY
LANGLEY RISE, KING'S LANGLEY, HERTS.

Started 35 years ago by the late Mrs. William Archer for the special treatment of **FUNCTIONAL NERVOUS DISORDERS** by a system of Relaxation correlated with training in Nerve Control. Home life in separate houses in charming grounds; 20 miles from London; Chalets for resting. Eurhythmics, Voice Production, Occupational Therapy, etc. Telephone: King's Langley 7519. Lessons and Treatments in the art of Relaxation can also be obtained at the "**FRANCES ARCHER**" Centre, 30, Dorset Sq., N.W.1 (near Baker St. Stn.), Weds. and Sats. 10–1 p.m., 2–5.30 p.m. Tel.: Ambassador 2864. All applications to the Secretary, King's Langley.

HILL END HOSPITAL AND CLINIC
FOR THE PREVENTION AND TREATMENT OF MENTAL AND NERVOUS DISORDERS
(20 miles from London)

Ladies suffering from all forms of MENTAL ILLNESS are received for treatment, on modern lines, as Voluntary, Temporary or Certified Private Patients at the Hill End Hospital. Convalescent or mild cases can be treated in a delightful country mansion, with extensive grounds, known as
HIGHFIELD HALL,
situate about a mile away from the Hospital.
FEES TWO TO FIVE GUINEAS PER WEEK.
For further particulars apply to the Medical Director W. J. T. KIMBER, L.R.C.P., D.P.M.
ST. ALBANS, HERTS

THE WARNEFORD, OXFORD.
HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.
For further particulars apply to the Physician-Superintendent.

BROOKE HOUSE, CLAPTON

A PRIVATE HOME for the treatment of Nervous and Mental Disorders in both sexes. Situated in nine acres of Pleasure Grounds.
Voluntary, Temporary, and Certified Patients received.
For further particulars apply—
Dr. ERNEST ROLLINS, Resident Physician.
Tel.: Amherst 1642

STRETTON HOUSE,
Church Stretton, Shropshire.

A PRIVATE HOME for the treatment of gentlemen suffering from Mental and Nervous illness, including the allied Disorders of Alcoholism and the Drug Habit. All types of early Mental and Nervous Cases are received without Certificates as Voluntary Patients under the provisions of the Mental Treatment Act, 1930. Bracing hill country. See "Medical Directory," p. 2368.—Apply to the Medical Superintendent. 'Phone 10 P.O., Church Stretton.

Telegraphic Address: "Relief, Old Catton." Telephone: 290 Norwich.

NERVOUS & MENTAL AFFECTIONS

Ladies only received

The Grove, Old Catton, Norwich.

A High-class Home for the Curative Treatment of Nervous Affections. Voluntary Boarders are also received without certificates.

For full particulars apply to the Misses McLINTOCK or to Dr. S. BARTON, 34, Surrey-street, Norwich, Visiting Physician.

CITY OF LONDON MENTAL HOSPITAL

Near DARTFORD, KENT.

Ladies and Gentlemen received for treatment under certificates, and without certificates as either VOLUNTARY or TEMPORARY PATIENTS, at a weekly fee of £2 9s., and upwards.

CHISWICK HOUSE,

PINNER, MIDDLESEX.

Telephone: PINNER 234.

A Private Hospital for the Treatment and Care of Mental and Nervous Illnesses in both Sexes.

A modern country house, 12 miles from Marble Arch, in attractive and secluded surroundings. Fees from 10 guineas per week inclusive. Cases under Certificate, Voluntary and Temporary Patients received for treatment.

DOUGLAS MACAULAY, M.D., D.P.M.

EPPING HOUSE

LITTLE BERKHAMSTED, Nr. HERTFORD, HERTS.

An attractive and comfortable PRIVATE HOME. Beautifully situated in its own grounds, 400 feet above sea level. Exceptionally healthy air and position affords every facility for convalescence. Foam Baths, Billiards, Squash Racquets, Lawn Tennis, Croquet, Bowls, Farm Produce, &c.

Treatment for Ladies and Gentlemen suffering from Insomnia, Functional Nervous Disorders, Alcohol and Drug Habits, Chronic Heart and Kidney Diseases, also Convalescing Cases.

Telephone: Essenden 212. *Apply,* J. C. BAKER, M.B.

Grove House, All Stretton, Church STRETTON, SHROPSHIRE.

A PRIVATE HOME for the care and treatment of a limited number of Ladies Mentally Afflicted.

Climate healthy and bracing.

Apply to Dr. McCLINTOCK, Proprietor and Resident Medical Superintendent.

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: Dr. MADELINE R. LOCKWOOD, *phone:* TULSE HILL 7181 *Resident Physician Superintendent.*

ALCOHOLISM

Drug Habits, and Nervous Disorders

25 minutes from London, situated in charming grounds and country, is a "home from home" for those seeking rest and treatment under medical supervision. Fees from 6 guineas. Illustrated brochure on application to the Matron. RESIDENT MEDICAL SUPERINTENDENT, E. G. MORRIS, L.R.C.S.I., L.R.C.P.I.

CHISLEHURST 451

OLD HILL HOUSE

CHISLEHURST, KENT.

G. W. R.

Travel Facilities for the Conveyance of Invalids

The Great Western Railway Company offer excellent facilities for the conveyance of hospital patients and other invalids.

Patients can make a throughout journey on the Company's new type of stretcher, which very materially adds to the comfort of invalids who have to travel lying down.

The Company also have well-appointed invalid saloons fitted with special couches suspended between the roof and floor to prevent oscillation, bedding being provided where necessary. The invalid saloons also contain armchairs, settees, and table.

Meals are obtainable in most cases; invalid chairs are available; and every assistance is rendered by the Company's Staff.

Full details of these facilities may be obtained from the Superintendent of the Line, G.W.R., Paddington Station, or from any G.W.R. Stationmaster.

GWR

A NURSING HOME FOR SURGICAL, MEDICAL AND MATERNITY CASES

Fees 10 gns. to 18 gns. per week (average—14 gns.)
8 Operating Theatres.
160 State Registered Nurses.
2 Resident Medical Officers (for emergencies)

Patients only received under the supervision of their own Medical Practitioner. Drugs and Dressings free (other than Proprietary Articles).

Illustrated Brochure on application to Secretary.

THE CLINIC

20, Devonshire Place, London, W.1

Telephone: WELbeck 4444 (20 lines)

BAD - NAUHEIM

40 minutes from Frankfurt-on-Main. **From Victoria 18 hours**

Affections of the Heart and Blood-vessels, Rheumatism, Nervous Disorders, Catarrhs

The action of naturally-warm carbonic-acid springs with saline contents, combined with first-class medical service.
BAD-NAUHEIM possesses in its Balneological Institute and in the William G. Kerckhoff-Institute a combined place of research on affections of the heart and blood-vessels, which provides the theoretical foundations and the scientific guarantee for the treatment of these ailments.

GOLF, SHOOTING, Etc.

Special terms for physicians and their families

For all particulars apply to German Railways Information Bureau, 19, Regent Street, London, S.W.1, and Tourist Offices, or to Kurverwaltung Bad-Nauheim.

Bad Kissingen

Treatment by mineral waters and baths. Natural carbonic acid brine, bubbling spring, mud and vapour baths for Stomach, Intestinal, Heart, Vascular, Rheumatic, Liver, Gall and Circulatory Troubles.

Prospectus through the Kurverein

Rakoczy Spring Waters for Home Treatment for the Stomach, Intestines and Circulation.

Obtainable direct from the Spa Management or through selling agents, a list of whom will be supplied.

60% reduction on the railway fare—Cheap travelling marks.

Information through THE GERMAN RAILWAYS INFORMATION BUREAU, 19, Regent Street, LONDON, S.W.1.

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths—Turkish and Russian Baths. Aix and Vichy Douches, Massage; Plombières Treatment. Studs Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc.
Resident Physician: H. RHYS DAVIES, B.A., M.B., B.Ch., B.A.O.
TERMS, 13s. to 18s. per day, include Turkish and other Baths.
Illustrated Brochure C.J. on request.
'Phone: Matlock 17 (3 lines). *Grams:* Smedleys, Matlock.

MONTECATINI
near FLORENCE
Season: APRIL 1st—NOV. 30th.

ITALY'S FAMED HEALTH CENTRE
for the diseases of the Digestive Tract—Metabolism—Tropical Diseases—Rheumatism

DRINKING MUDPACK CURES
BATHING PHYSIOTHERAPY

Over 250 Hotels and Pensions of every description
All the attractions of a world-Spa ● Railway Reductions

Information: **ENIT—38 Piccadilly, London, W.1.** All Travel Agencies and *Ufficio Propaganda:* **Montecatini Terme (Pistoia) Italy.**

KINMEL HALL Rheuma Spa
Modern Spa Treatments, including Continental Pisany Mud, Scotch Douche and Birchner-Benner Diet, for Rheumatic and similar disabilities. Resident Physician. Excellent Recreational facilities. *Brochure from Secretary.*
ABERGELE - NORTH WALES

Westminster Hospital,
Broad Sanctuary, London, S.W.1.

Consequent upon the opening of the new and enlarged Westminster Hospital, several additional offices will be created, and applications are accordingly invited for the undermentioned appointments, for duty commencing 1st July, 1939.

Ten copies of applications, accompanied by copies of three recent testimonials, should be addressed to the undersigned from whom full particulars of the appointments may be obtained, on or before Saturday, 6th May, 1939.

The appointments are open to male candidates only.

THREE CHIEF MEDICAL ASSISTANTS AND REGISTRARS.

Candidates must be registered Medical Practitioners. Membership of the Royal College of Physicians (London) is desirable. The appointments are for one year, subject to annual re-election for two subsequent years. Salary £200 per annum paid by the House Committee, and £50 per annum paid by the School of Medicine Committee.

TWO CHIEF SURGICAL ASSISTANTS AND REGISTRARS.

Candidates must be registered Medical Practitioners and Fellows of the Royal College of Surgeons of England. The appointments are for one year, subject to annual re-election for two subsequent years. Salary £200 per annum, paid by the House Committee, and £50 per annum paid by the School of Medicine Committee.

PART-TIME CHIEF ASSISTANT AND REGISTRAR TO THE EAR, NOSE AND THROAT DEPARTMENT.

Candidates must be registered Medical Practitioners and Fellows of the Royal College of Surgeons of England. The appointment is for one year, subject to annual re-election for two subsequent years. Salary £100 per annum.

PART-TIME CHIEF ASSISTANT AND REGISTRAR TO THE ORTHOPÆDIC DEPARTMENT.

Candidates must be registered Medical Practitioners and Fellows of the Royal College of Surgeons of England. The appointment is for one year, subject to annual re-election for two subsequent years. Salary £100 per annum.

FULL-TIME MEDICAL OFFICERS TO THE SURGERY AND OUT-PATIENT RECEPTION CENTRE.

Candidates must be registered Medical Practitioners and have held at least two resident Hospital appointments. The appointments are for six months in the first instance. Salary £150 per annum for one resident appointment, and £200 per annum for each of two non-resident appointments.

By order of the House Committee,
CHARLES M. POWER, Secretary.

Borough of Wembley.

ASSISTANT MEDICAL OFFICER OF HEALTH.

The Borough Council invite applications for the post of Whole-time Assistant Medical Officer of Health (an additional appointment).

The duties will be mainly in the Maternity and Child Welfare services of the Council, while the officer will be required to undertake such other duties as the Medical Officer of Health, with the consent of the Council, may assign from time to time.

Candidates must, subsequent to qualification, have had at least three years' experience in the practice of their profession, and special experience of practical midwifery and ante-natal work. They should have had hospital experience in Maternity and Child Welfare work. Preference will be given to applicants holding a Diploma in Midwifery or Child Health subjects. The Diploma in Public Health will be considered an additional recommendation.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700 per annum, plus a car allowance of £50 per annum. The appointment will be subject to the successful candidate passing a medical examination, the provisions of the Local Government and Other Officers' Superannuation Act, and to the Staff Regulations of the Borough Council, and will be terminable by one calendar month's notice on either side.

Applications on a form to be obtained from the Medical Officer of Health, Public Health Department, Forty Avenue, Wembley, must reach me not later than NOON on Friday, 28th April, 1939.

Canvassing in any form will disqualify candidates.

KENNETH TANSLEY, Town Clerk.
Council Offices, High-road, Wembley, 31st March, 1939.

The Royal Waterloo Hospital for
CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1939, for a HOUSE PHYSICIAN (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, April 25th, to the Secretary at the above address, from whom further particulars can be obtained.

The Royal Waterloo Hospital for
CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There is a vacancy on the 1st May, 1939, for a RESIDENT MEDICAL OFFICER (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £150 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday, April 25th, to the Secretary at the above address from whom further particulars can be obtained.

The Royal Waterloo Hospital for
CHILDREN AND WOMEN, Waterloo-road, S.E.1.

There will be a vacancy on the 1st May, 1939, for a HOUSE SURGEON (Male) at the above Hospital. The appointment is in the first instance for a period of six months. Salary at the rate of £100 per annum, with board and residence.

Applications, with copies of testimonials, should be forwarded not later than Tuesday morning, 25th April, to the Secretary at the above address, from whom further particulars can be obtained.

Metropolitan Borough of Shoreditch.

APPOINTMENT OF AN ASSISTANT MEDICAL OFFICER OF HEALTH (Male).

Applications for the above appointment are invited from duly registered Medical Practitioners.

The duties will be chiefly clinical and administrative in maternity and child welfare, but will also include duties in public health.

The salary will be at the rate of £650 per annum, rising by annual increments of £50 to a maximum of £750 per annum.

The appointment will be subject to a medical examination and to the provisions of the Shoreditch and Other Metropolitan Borough Councils (Superannuation) Acts, 1922–37.

Applications must be made on a form to be obtained from the undersigned, and must be returned not later than NOON on Monday the 1st May, 1939.

Canvassing, directly or indirectly, will disqualify.

R. CYRIL RAY, Town Clerk.
Shoreditch Town Hall, Old-street, E.C.1, 6th April, 1939.

London County Council.

Applications invited from Women Medical Practitioners of at least one year's standing for appointment at WHITE OAK HOSPITAL (for children suffering from diseases of the eye), SWANLEY, KENT (364 Beds), as follows —

1. ASSISTANT MEDICAL OFFICER (Class I). Salary £350–£25–£425 a year, with board, lodging, and washing. Experience in a resident appointment in a general hospital and in ophthalmic work essential.

2. ASSISTANT MEDICAL OFFICER (Class II), non-resident. Salary £250, plus non-residential allowance of £120 a year and meals whilst on duty. Appointments are for one year only in first instance (renewable for a second year under certain conditions). Experience in a resident appointment in a general hospital and ophthalmic work desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 8th May. Canvassing disqualifies.

King Edward Memorial Hospital,

Ealing, W.13.
(145 Beds.)

CASUALTY OFFICER AND HOUSE SURGEON (Male) required. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned not later than May 3rd, 1939.

R. A. MICKELWRIGHT, House Governor.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

RESIDENT ANÆSTHETIST (Male) required at once for period to 30th September. Salary at the rate of £100 a year, with board and lodging. Candidates must be registered under the Medical Act.

Particulars of age, qualifications, and experience, accompanied by copies of testimonials, should be sent forthwith to the undersigned.

H. A. MADGE, Secretary.

West London Hospital,

Hammersmith, W.6. (239 Beds.)

Required, One NON-RESIDENT CHILDREN'S OUT-PATIENT MEDICAL OFFICER (Part-time). The appointment is for six months in the first instance and may be extended for one further period of six months. Attendance will be required from 9.30 A.M. to 12.30 P.M. daily. Applicants may be Male or Female. Salary at the rate of £150 per annum and the appointment may be terminated by one month's notice on either side. Candidates must be registered under the Medical Act, and have held a resident appointment at a Children's Hospital or in the Children's Department of a General Hospital.

Applications, with copies of testimonials, in quadruplicate (which must be made on printed forms obtained from me), must reach me not later than first post on Friday, 5th May. Selected candidates will be required to call upon such members of the Medical Staff as directed, to be in attendance at a Meeting of the Medical Council on Friday, 12th May, at 4.30 P.M., and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

Royal Northern Hospital,

Holloway, N.7.

Applications are invited for the post of CONSULTING PHYSICIST. Small honorarium.

Full particulars of the office may be obtained from the undersigned, to whom applications should be sent by May 12th.

GILBERT G. PANTER, Secretary.

Central London Throat, Nose and Ear

HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANTS IN THE OUT-PATIENT DEPARTMENT.

There are the following vacancies :—

SECOND Assistant to attend on Mondays at 2 P.M.
THIRD Assistant to attend on Mondays at 2 P.M.
THIRD Assistant to attend on Saturdays at 9.30 A.M.

The duties are to assist the Surgeons in seeing the patients and the posts are honorary.

Applications, which may be for periods of three, six, or twelve months, should be sent to the undersigned immediately.

JOHN H. YOUNG, Secretary-Superintendent.

Princess Elizabeth of York Hospital for

CHILDREN
(Formerly East London Hospital for Children),
Shadwell, London, E.1.

Applications are invited for the appointment of HONORARY NEUROLOGICAL SURGEON, to see and treat cases when requested, in consultation with members of the Honorary Medical Staff.

Applications, with copies of three testimonials, addressed to the Secretary-Superintendent, from whom further particulars can be obtained, should reach the hospital by Tuesday, 2nd May, 1939.

EDWARD PENTON, Secretary-Superintendent.

Central London Throat, Nose and Ear

HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANT SURGEONS.

There are vacancies for two Assistant Surgeons who must be Fellows of the Royal College of Surgeons of England, except in a case where, on the grounds of a candidate's distinguished research work in the specialty, the Electing Body agree to accept some other qualification.

Further information regarding the appointments may be obtained from the undersigned, by whom applications (accompanied by copies of not more than three testimonials) must be received by 8th May, 1939.

JOHN H. YOUNG, Secretary-Superintendent.

Camberwell House Mental Hospital,

S.E.5.—There is a vacancy for a SECOND ASSISTANT MEDICAL OFFICER (Male). Salary £350 per annum, rising by annual increments of £25 to £400. Furnished quarters, board, and laundry provided in addition. Application should be made to the Medical Superintendent at the above address.

National Dental Hospital,

Great Portland-street, W.1.
(Dental Department of University College Hospital.)

Applications are invited for the post of HONORARY DENTAL SURGEON to attend one morning session per week.

Applications, accompanied by such evidence of fitness for the post as candidates may desire to furnish, should reach the undersigned not later than May 10th, 1939.

R. SLOLEY, Secretary of the Corporation.

Westminster Hospital,

Broad Sanctuary, S.W.1.

Applications are invited for the following appointments for duty commencing 1st July, 1939.

Applications, accompanied by copies of three recent testimonials, should be addressed to the undersigned, from whom full particulars of the appointments may be obtained, on or before Saturday, May 27th.

Part-time CHIEF ASSISTANT AND REGISTRAR to the RADIOLOGICAL DEPARTMENT (Diagnostic). Candidates must be registered Medical Practitioners and hold a diploma in Radiology. The appointment is for one year and subject to annual re-election for two subsequent years. Salary £150 per annum.

Full-time CHIEF ASSISTANT AND REGISTRAR to the ELECTRICAL AND IRRADIATION UNIT. Candidates must be registered Medical Practitioners and hold a diploma in Radiology. The appointment is for one year and subject to annual re-election for two subsequent years. Salary £250 per annum.

By order of the House Committee,
CHARLES M. POWER, Secretary.

Putney Hospital, Lower Common,

S.W.15.
(76 Beds, including 18 Private Wards.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Previous hospital appointment essential. Salary £150 per annum, with certain emoluments from the Private Wards.

Applications, stating age and giving full particulars, must be received by the undersigned by 4th May.

H. SEYMOUR HADWEN, Secretary.

Putney Hospital, Lower Common,

S.W.15.
(76 Beds. 18 Private Wards.)

HONORARY PHYSICIAN.

Applications are invited for the position of Physician. Candidates must be graduates in Medicine of a British University and Members or Fellows of the Royal College of Physicians, London, engaged in consulting practice only. The successful candidate will be required to attend once or twice weekly.

Applications, giving age and full particulars, together with six copies of three testimonials, should be received not later than 4th May, 1939, by the undersigned, from whom further particulars may be obtained.

H. SEYMOUR HADWEN, Secretary.

King's College Hospital.

The Committee of Management invite applications for the post of ASSISTANT PHYSICIAN to the DIABETIC DEPARTMENT.

Applications, with copies of three testimonials, should be sent before May 8th to the House Governor, King's College Hospital, Denmark Hill, S.E.5, from whom particulars of the duties may be obtained.

Candidates must be Members or Fellows of the Royal College of Physicians of London.

Charterhouse Rheumatism Clinic,

56/60, Weymouth-street, W.1.

The recent opening of the new premises necessitates an increase of medical staff. Immediate applications are invited for HONORARY CLINICAL ASSISTANTS.

Appointments will be for six months (renewable).

Applications to be addressed to the Secretary, Charterhouse Rheumatism Clinic, 56/60, Weymouth-street, W.1.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

Child Guidance Council.

FELLOWSHIPS IN PSYCHIATRY.

The Child Guidance Council offers three Fellowships, each of £300, tenable for a year, for half-time work at the London Child Guidance Clinic, 1, Canonbury-place, Islington, N.1.

Candidates should hold the Diploma in Psychological Medicine or show evidence of psychiatric knowledge up to a similar standard. Experience in Pædiatrics or School Medical Service will be regarded as an asset.

The Fellows will be expected to commence work in October this year.

Further particulars and forms of application may be obtained from the Secretary, Child Guidance Council, Woburn House, Upper Woburn-place, London, W.C.1.

Applications should reach the Secretary not later than 8th May, 1939, and should be accompanied by three copies of not more than three recent testimonials.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

An OUT-PATIENT MEDICAL REGISTRAR (part-time and non-resident) is required on the 8th May, 1939. Salary £150 per annum.

This appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

Candidates must possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by noon on Monday, the 1st May, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, the 3rd May, 1939.

Full instructions and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

April, 1939.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited for the appointment of HONORARY DENTAL SURGEON to The Prince of Wales's General Hospital.

Applications, together with copies of three recent testimonials, should reach the undersigned on or before Wednesday, May 3rd, 1939.

J. C. BURDETT, Director and House Governor.

April 3rd, 1939.

The Prince of Wales's General Hospital,

London, N.15.

Applications are invited for the appointment of HONORARY OFFICER to the SPEECH THERAPY AND LIP READING DEPARTMENT of The Prince of Wales's General Hospital.

Applications, together with copies of three recent testimonials, should reach the undersigned not later than, Wednesday, May 3rd, 1939.

J. C. BURDETT, Director and House Governor.

April 6th, 1939.

The London Lock Hospital,

283, Harrow-road, W.9.

Applications are invited for a RESIDENT MEDICAL OFFICER (Male) to ALL DEPARTMENTS. Candidates must be doubly qualified and duly registered. The appointment is for six months, commencing 1st June. Salary at the rate of £175 per annum, with furnished rooms, full board, and laundry. Preference will be given to candidates having previous obstetric experience.

Applications, enclosing copies (only) of three recent testimonials, must be in the hands of the Secretary (from whom further particulars can be obtained) by first post on Thursday, 27th April.

The Princess Beatrice Hospital,

Earl's Court, London, S.W.5.

HONORARY ASSISTANT SURGEON, OPHTHALMIC DEPARTMENT.

Applications are invited from qualified Medical Practitioners, preferably holding the Diploma of F.R.C.S., for the appointment of Honorary Assistant Surgeon to the Ophthalmic Department.

Applications, stating age, qualifications, and full details of experience, should reach the Secretary by Wednesday, 26th April, 1939.

The Samaritan Free Hospital for WOMEN,

Marylebone-road, N.W.1.

Applications are invited for the post of HOUSE SURGEON for a period of six months, commencing May 15th next. Salary at the rate of £100 per annum, with board, lodging, and laundry. Previous experience as House Surgeon essential.

Applications, stating age, accompanied by copies only of testimonials, should be sent to the Secretary at the Hospital not later than NOON, Tuesday, April 25th, 1939.

G. H. HAWKINS, Secretary.

University of London.—The Senate

invite applications for the UNIVERSITY CHAIR OF OBSTETRICS AND GYNÆCOLOGY tenable at the London (Royal Free Hospital) School of Medicine for Women. Salary £2000 a year.

Applications (twelve copies) must be received not later than first post on 16th May, 1939, by the Academic Registrar, University of London, Senate House, W.C.1, from whom further particulars should be obtained.

Woolwich and District War Memorial

HOSPITAL, Shooters-hill, London, S.E.18.

General Hospital. 112 Beds.

The Board of Management invites applications from suitably qualified Male candidates for the post of HOUSE PHYSICIAN for six months from the 1st of May, 1939. Remuneration will be at the rate of £100 per annum.

The closing date for the receipt of applications (which should be made on the prescribed form obtainable from the undersigned) is Monday, April 24th, and short-listed candidates will be invited to meet the Appointments Committee on Friday, April 28th, 1939.

R. S. G. HUTCHINGS, Secretary.

Paddington Green Children's Hospital

(Incorporated), London, W.2.

Applications are invited for the post of HONORARY RADIOLOGIST to the Hospital.

Information as to the duties, &c., may be obtained from the undersigned, to whom applications must be forwarded not later than Friday, April 28th, 1939.

JAMES A. HAMLIN, Secretary.

County Borough of Bolton.

BOROUGH ISOLATION HOSPITAL.
RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Men for the position of Resident Assistant Medical Officer.

Candidates must have had experience in the treatment of cases of infectious disease in an Isolation Hospital. The duties will include the medical care of patients in the Isolation Hospital, assisting at the Male Venereal Diseases Clinics, and such other work as the Medical Officer of Health may direct.

The person appointed will be required to reside at the Isolation Hospital. The salary will be £450 per annum, together with board and residence, valued at £150 per annum. Married quarters are not available. The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the selected candidate passing satisfactorily a medical examination.

Forms of application, with particulars of the duties, may be obtained from the Medical Officer of Health, Public Health Department, Civic Centre, Bolton, and completed applications, with copies of three recent testimonials, should be sent to the undersigned not later than 8th May, 1939.

Canvassing, either directly or indirectly, will be a disqualification.

PHILIP S. RENNISON, Town Clerk.

Town Hall, Bolton, 21st April, 1939.

Holloway Sanatorium (Hospital for

MENTAL DISEASES), VIRGINIA WATER, SURREY.

JUNIOR ASSISTANT MEDICAL OFFICER required (Male) single. Salary £350 per annum, rising by £25 per annum to £450, with board, lodging, lighting, laundry, and attendance. Should the candidate appointed hold the Diploma in Psychological Medicine the salary will be £400 per annum, if not, the latter increase will be made as soon as he obtains it.

Applications, accompanied by three testimonials, to be sent to the Medical Superintendent as soon as possible.

City of Liverpool.

SMITHDOWN ROAD HOSPITAL. (1220 Beds.)
RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited for the above appointment for a period of one year at a salary of £200 per annum, together with the usual residential allowances.

Canvassing, either directly or indirectly, will be considered a disqualification.

Applications to be made on forms obtainable from the Medical Officer of Health, Hospitals Department, Dale-street, Liverpool, 2, to be endorsed "Resident Assistant Medical Officer" and returned to the undersigned so as to be received not later than Monday, 1st May, 1939.

W. H. BAINES, Town Clerk.

Municipal Buildings, Liverpool, 2, April, 1939.

PUBLIC SCHOOLS EXPLORING SOCIETY

Newfoundland Expedition, leaving August 1st. Returning September 15th. HON. SURGEON required.

Applicants, who must have surgical qualification and experience, may apply for all particulars to The Hon. Leader, P.S.E.S., White Barn, Old Oxted, Surrey.

Salop County Council.

(*a*) DEPUTY COUNTY MEDICAL OFFICER OF HEALTH AND DEPUTY SCHOOL MEDICAL OFFICER (Male).
(*b*) ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

Applications for the above posts are invited from duly registered Medical Practitioners who possess a recognised qualification in Public Health and have had at least three years' experience in the practice of their profession.

For the position of Deputy previous experience is essential in Maternity and Child Welfare and School Medical Inspection work and very desirable in the administrative work of a Public Health Department. The commencing salary will be at the rate of £700 per annum, rising by annual increments of £25 to £750 (together with a travelling allowance in accordance with the County Scale).

The duties of Assistant Medical Officer will include medical inspection of school-children, Maternity and Child Welfare work, and attendances at associated clinics. The salary will be at the rate of £600 per annum, rising by annual increments of £25 to £700 per annum (together with a travelling allowance in accordance with the County Scale).

Both appointments will be determinable by three months' notice on either side, and each officer appointed will be required to devote the whole of his time to the performance of the duties assigned to him by the County Medical Officer.

Applications, accompanied by a copy of three recent testimonials, should be submitted not later than Tuesday, 9th May, to the County Medical Officer, County Health Offices, Shrewsbury, from whom the necessary forms and conditions of service can be obtained.

W. L. EDGE, Clerk of the Council.

Shirehall, Shrewsbury, 17th April, 1939.

City of Manchester.

WITHINGTON HOSPITAL (1165 Beds) AND WITHINGTON INSTITUTION (1200 Beds).

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

The Public Health Committee invites applications from registered Medical Men for the post of Deputy Medical Superintendent and Senior Resident Medical Officer at the above-named hospital and institution.

Candidates must be unmarried and should possess a higher medical qualification. Preference will be given to applicants who have had administrative experience.

Salary £600 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, P.O. Box No. 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than May 6th, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 17th April, 1939.

Chesterfield and North Derbyshire

ROYAL HOSPITAL.
(220 Surgical and Medical Beds.)

HOUSE SURGEON TO OPHTHALMIC AND EAR, NOSE, AND THROAT DEPARTMENTS.
HOUSE PHYSICIAN.

Applications are invited from fully qualified men for the above posts.

The appointments are for six months each.

Salary at the rate of £150 per annum, with board, apartments, and laundry.

Applications, stating age and nationality, together with copies of three recent testimonials, should be sent to the undersigned as soon as possible.

M. H. BOONE, Superintendent and Secretary.

18th April, 1939.

Boston General Hospital.

(70 Beds.)

RESIDENT MEDICAL OFFICER required. Salary £150 per annum, with board, residence, and laundry. The appointment is for six months and is renewable.

Applications, stating age, qualifications, and previous experience, together with copies of three recent testimonials, should be addressed to the undersigned.

GORDON EASTO, Secretary.

Royal Berkshire Hospital, Reading.

The Board of Management invite applications for the post of SURGICAL REGISTRAR.

Candidates must be Fellows of one of the Royal Colleges of Surgeons of the British Empire or Surgical Graduates of one of the Universities of the British Empire and their names entered on the Medical Register.

The elected candidate will be appointed for the period ending on the first Tuesday in March, 1940, and will be eligible for re-election.

Canvassing by or on behalf of a candidate will disqualify.

Applications, with copies of not more than four testimonials, must reach the Secretary not later than 9 A.M. on Friday, May 12th.

The election will take place on Tuesday, 16th May, 1939.

H. E. RYAN, Secretary and House Governor.

City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.
(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER (Grade 2) at the above-named hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital and have had special experience in bacteriology.

Salary £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 5th May, 1939.

R. H. ADCOCK, Town Clerk.

Town Hall, Manchester, 2, 17th April, 1939.

City of Birmingham.

SELLY OAK HOSPITAL, 520 Beds.

JUNIOR MEDICAL OFFICERS (Male).

Applications are invited from fully qualified Medical Practitioners for the whole-time appointments of Junior Medical Officers (Male) at the Selly Oak Hospital, Birmingham. The appointments will be for periods of six months in the first instance, but may be extended at the end of that time for further periods of not exceeding six months.

Salary at the rate of £200 per annum, and full residential emoluments.

Further particulars may be obtained from the Medical Superintendent at Selly Oak Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Wednesday, 3rd May, 1939.

F. H. C. WILTSHIRE, Town Clerk.

The Council House, Birmingham, April, 1939.

Royal Halifax Infirmary.

Hospital recognised by the Royal College of Surgeons (England).

Wanted, a FIRST HOUSE SURGEON, Male, unmarried. Candidates must be duly qualified and registered. The appointment will be for a period ending 31st October, 1939. Salary, including all services required in connection with the Paying Patients' Ward, £200 per annum, with residence, board, and laundry. The Resident Staff consists of Resident Surgical Officer, House Physician, two House Surgeons, and Casualty Officer. The Hospital contains Maternity and Paying Patients' Blocks. Also a Pathological Department, a large Eye, Ear, Nose, and Throat Department, Radiological Department, and Radium Clinic.

Particulars of the duties may be obtained from the undersigned to whom applications, stating age and nationality, together with testimonials, should be sent not later than 25th April, 1939.

A. MIDGLEY, Secretary.

17th April, 1939.

Leicester Royal Infirmary.

(500 Beds.)

RESIDENT RADIOLOGIST

Applications are invited for the above post.

The successful candidate will be expected to act as House Physician to the Radiologist and assist in the diagnostic and therapeutic sides of the X Ray department.

The appointment is for six months in the first instance, and the salary is at the rate of £200 per annum, together with board, residence, and laundry.

Candidates holding the diploma of Radiology preferred but not essential.

Applications, giving full particulars as to age, qualifications, experience, and accompanied by not more than three testimonials, should be sent not later than 3rd May to the House Governor and Secretary.

17th April, 1939.

Torbay Hospital, Torquay.

NOTICE is hereby given, in accordance with Rule 8, that the Court of Governors will meet on FRIDAY, MAY 26th, 1939, to elect

An HONORARY PHYSICIAN
IN CHARGE OF
OUT-PATIENTS.

Candidates are required to be registered under the Medical Act.

Applications (sixteen copies), accompanied by sixteen copies of not more than three testimonials, should be received by the undersigned not later than Saturday, May 20th, 1939.

E. L. GRIST, Secretary.

April 17th, 1939.

East Suffolk and Ipswich Hospital.

(415 Beds—Hospital 350, Recovery Home 65.)
8 Residents.

APPOINTMENT OF RESIDENT SURGICAL OFFICER.

Applications are invited for the post of Resident Surgical Officer (Male) who will also act as Medical Superintendent of the Hospital's Convalescent Home. Previous administrative and surgical experience essential.

Candidates must be a Fellow of one of the Royal Colleges of Surgeons.

Married men are eligible for the appointment.

The salary for a single man is £400 per annum, with board, apartments, and laundry. The salary for a married man is £550 per annum, with house, free of rates, but without board. There will also be an allowance of £30 per annum for motor-car and free garage.

Duties to commence 6th May, or as soon after as convenient.

Canvassing will be a disqualification.

Applications, stating age, qualifications, and medical, surgical, and administrative experience, with three recent testimonials, to be sent to me immediately.

ARTHUR GRIFFITHS, Secretary.

The Hospital, Ipswich, 15th April, 1939.

The Children's Hospital, Sheffield.

(157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 28th April, 1939.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

Pontefract General Infirmary (Yorks)

and HYDES HOSPITAL. (112 Beds.)

JUNIOR RESIDENT MEDICAL OFFICER. Male (unmarried), duly qualified registered Medical Practitioners.

Commencing salary £150 per annum, with residence, board, and laundry.

The appointment to date for six months from May 1st, 1939.

Applications, stating age, with testimonials, and nationality, to be sent to the undersigned at once.

DAVID J. RICHARDS, Secretary-Superintendent.

The Coventry and Warwickshire

HOSPITAL.

Applications are invited for the following posts.

Three HOUSE SURGEONS; One HOUSE SURGEON for the EAR, NOSE, AND THROAT DEPARTMENT; One CASUALTY OFFICER; One HOUSE PHYSICIAN; and One HOUSE PHYSICIAN, combining the duties of House Surgeon, to OPHTHALMIC DEPARTMENT.

The appointments are for six months, commencing May 1st, at a salary of £150 per annum.

Applications should be made to the undersigned immediately.

S. CECIL HILL, House Governor and Secretary.

Addenbrooke's Hospital, Cambridge.

Applications are invited for the post of RESIDENT SURGICAL OFFICER. The appointment will be for one year from July 1st, 1939, and may be renewed for a second year. Salary £225, with board, residence, and laundry.

Candidates (Male), who must be unmarried and Fellows of the Royal College of Surgeons of England or of Edinburgh, are requested to forward their applications, stating age and particulars of previous experience, together with copies of not more than four recent testimonials, to the undersigned on or before Wednesday, April 26th, 1939, from whom full particulars of the appointment may be obtained.

J. A. BEARDSALL, Secretary-Superintendent.

Rotherham Hospital.

Wanted, HOUSE PHYSICIAN (Male), qualified. Salary £180, with board, residence, and laundry. 130 Beds. Excellent experience to be gained.

Applications, with copies of recent testimonials, to be sent to the Secretary, G. W. ROBERTS, 8, Moorgate-street, Rotherham.

Royal Manchester Children's Hospital,

PENDLEBURY.

The Board of Governors invite applications for the post of ASSISTANT SURGEON.

Candidates must be Fellows of the Royal College of Surgeons of England.

Honorarium £50 per annum.

Applications in duplicate, with copies of not more than three testimonials, to be addressed not later than 2nd May, 1939, to the Secretary, from whom particulars of the duties of the office can be obtained.

Canvassing will be a disqualification.

By order,
H. HEARDMAN, Secretary.

Lancashire County Council.

APPOINTMENT OF ASSISTANT COUNTY MEDICAL OFFICER.

The Lancashire County Council invite applications from registered Medical Practitioners for the post of Assistant County Medical Officer.

Applicants must not be over forty years of age and must possess a Diploma in Public Health.

The duties of the post include the Medical Inspection of school-children; maternity and Child Welfare work; general Public Health work; and such other duties as may from time to time be imposed by the County Council.

The candidate appointed will be required to devote his whole time to the service of the County Council, to pass a medical examination, and to contribute to the Council's Superannuation Fund. The salary will be £800 a year, rising, subject to satisfactory service, by annual increments of £50 to a maximum of £1000 a year, together with travelling expenses.

The successful candidate may also be required to act as Medical Officer of Health of one or more County Districts in which case certain alterations in the conditions of service would be necessary.

Applications must be made upon a form which can be obtained, together with further particulars, from the County Medical Officer of Health, School Medical and Child Welfare Department, County Offices, Preston, to whom the completed forms should be returned not later than the 9th May. All communications must be endorsed "Assistant County Medical Officer."

Any form of canvassing is strictly forbidden, and will disqualify.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, April, 1939.

Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners (unmarried) for the post of JUNIOR HOUSE SURGEON at the above Hospital, which contains 88 beds.

Salary is at the rate of £200 per annum, together with board, residence, and laundry.

Preference will be given to candidates who have held resident hospital appointments and who are competent anæsthetists. The appointment will be for a period of six months in the first instance, and for a further six months at the option of the County Council, but will not be renewable after that time.

Applications, with copies of two recent testimonials, should be sent not later than the 4th May, 1939, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston.

Duties to commence 1st June, 1939.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 14th April, 1939.

Middlesex County Council.

ASSISTANT MEDICAL OFFICER required in PUBLIC HEALTH AND SCHOOL MEDICAL DEPARTMENT. Qualified registered Medical Practitioners with special experience in antenatal work. Public Health degree or diploma desirable. Whole-time duties under County Medical Officer include medical inspection of school-children, supervision of treatment of minor ailments, carrying out work under maternity and child welfare scheme, &c.

Salary £600 per annum, rising after two years by annual increments of £30 to £750 per annum, with out-of-pocket travelling expenses. Pensionable staff, subject to medical examination and one month's notice. Must reside in such district as required.

REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX.

RESIDENT ASSISTANT MEDICAL OFFICER, registered Medical Practitioner having held resident appointments in general hospitals. Whole-time duties, mainly in medical wards, under supervision of Medical Superintendent. Appointment, subject to medical examination and one month's notice, primarily for four years, but possibility of transfer to permanent staff with maximum salary £500 per annum. Salary £400–£25–£475 per annum, with board, lodging, and laundry. Preservation of pension rights under certain Acts.

Preliminary application forms obtainable by sending stamped addressed foolscap envelope to the undersigned immediately.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.

Guildhall, Westminster, S.W.1.

The Royal Earlswood Institution,

REDHILL, SURREY.

(Under Mental Deficiency Acts.)

JUNIOR ASSISTANT MEDICAL OFFICER required. Applicants must be registered Practitioners, Males (British birth), unmarried. Inclusive salary at the rate of £350 per annum, with board, residence, and washing.

Previous experience in Mental Deficiency not essential, but the candidate appointed will be expected to take the D.P.M., facilities for which are available.

Applications, stating age, religion, and qualifications, with copies of three testimonials of recent date, to be sent at once to the Medical Superintendent of the Institution. The envelope to be endorsed "Assistant Medical Officer."

Graylingwell Hospital, Chichester.

DEPUTY MEDICAL SUPERINTENDENT.

The Visiting Committee invite applications from duly qualified Medical Practitioners for the above post. Considerable Mental Hospital experience is essential, and a practical knowledge of modern methods of psychiatric treatment is desirable.

The commencing salary will be £700 per annum, rising by two annual increments of £25 to a maximum of £750 per annum, together with emoluments consisting of house, coal, laundry and garden produce, valued for superannuation purposes at £100 per annum. An additional £50 per annum will be paid for the D.P.M.

A fully equipped Laboratory is available, and ample opportunities will be afforded for Research work.

Applications endorsed "Deputy Medical Superintendent," stating full particulars of qualification, experience, age, &c., and accompanied by copies of three recent testimonials, should be addressed to the Medical Superintendent, to arrive not later than May 9th.

University of Durham.

KING'S COLLEGE, NEWCASTLE-UPON-TYNE.

ASSISTANT BACTERIOLOGIST IN THE PUBLIC HEALTH LABORATORY.

Applications are invited from qualified Medical Practitioners for the above post. Preference will be given to a person having previous experience in bacteriological work and holding a Diploma of Public Health.

Commencing salary at the rate of £400 per annum.

Applications up to Monday, 8th May, should be lodged with the undersigned from whom further information can be obtained if required.

W. G. B. OLIVER, Registrar.

King's College, Newcastle-upon-Tyne, 2.

The Welsh National School of Medicine.

(UNIVERSITY OF WALES.)

JUNIOR ASSISTANTS IN THE MEDICAL UNIT.

Two Junior Assistants are required in the Medical Unit of The Welsh National School of Medicine, Cardiff. The appointments are temporary, for a period not exceeding two years, at a salary at the rate of £300 per annum.

The persons appointed will be required to commence duties on October 1st, 1939.

Further particulars may be obtained from the undersigned, by whom applications, accompanied by copies of not more than four testimonials, must be received by Wednesday, May 24th, 1939.

S. C. EDWARDS, Secretary.

The Welsh National School of Medicine,
The Parade, Cardiff.

Croydon General Hospital.

A vacancy has occurred on the Honorary Staff of the above Hospital for an ASSISTANT to the Surgeon in Charge of the UROLOGICAL AND PROCTOLOGICAL DEPARTMENT.

Candidates for the appointment are requested to forward their applications, together with statements of their qualifications, age, experience, and copies of not more than three testimonials, to the undersigned not later than 6th May, 1939.

GEORGE H. DAMS, House Governor and Secretary.

14th April, 1939.

Croydon General Hospital.

Vacancies have occurred on the Honorary Staff of the above Hospital for Two ASSISTANT SURGEONS.

Candidates for the appointments are requested to forward their applications, together with statements of their qualifications, age, experience, and copies of not more than three testimonials, to the undersigned not later than 6th May, 1939.

GEORGE H. DAMS, House Governor and Secretary.

14th April, 1939.

Birmingham and Midland Eye Hospital.

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and, in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising at the end of six months' satisfactory service to £150) per annum.

Applications, with testimonials and evidence of registration, must be received not later than Monday, May 8th next.

J. W. PEARCE, House Governor.

Church-street, Birmingham 3.

Mapperley Hospital, Nottingham.

LOCUM TENENS MEDICAL OFFICER (Male—single) required June to September. Salary seven guineas per week, all found.

Applications immediately to the Medical Superintendent.

West Sussex County Council.

BOROUGH OF ARUNDEL AND CHICHESTER RURAL DISTRICT COUNCIL.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH AND DISTRICT MEDICAL OFFICER OF HEALTH.

Applications are invited for the joint whole-time appointment of an Assistant County Medical Officer of Health for the Administrative County of West Sussex (salary £400 per annum rising by annual increments of £50 to £500 per annum) and Medical Officer of Health for the Borough of Arundel and the Chichester Rural District (salary £400 per annum).

Applicants, who should not be over forty-five years of age, must be duly qualified Medical Men with experience in public health duties and must hold the Diploma in Public Health or its equivalent.

The officer appointed will be required to reside in the Chichester District or in such other place as may be approved. As regards his duties as Assistant County Medical Officer of Health the officer will act under the general control of the County Medical Officer of Health, and will be required to perform such duties as may be from time to time prescribed; and as regards his duties as District Medical Officer of Health, the officer will be subject to the sole control and direction of the Local Sanitary Authority.

Office accommodation and clerical assistance will be provided by arrangements to be agreed upon by the appointing authorities, and an allowance will be made for travelling. The joint appointment is subject to the approval of the Minister of Health and also, so far as the office of District Medical Officer of Health is concerned to the provisions of the Sanitary Officers (Outside London) Regulations, 1935. The joint appointment is superannuable under the Local Government Superannuation Act, 1937, and the selected candidate will be required to pass a satisfactory medical examination.

The joint appointment will be determinable by three months' notice on either side, subject so far as the office of the District Medical Officer of Health is concerned, to the consent of the Minister of Health.

Forms of application, together with a list of duties and conditions of appointment, may be obtained from the undersigned, T. C. Hayward and, accompanied by copies of not more than three recent testimonials, should be returned to him not later than the 1st May, 1939.

T. C. HAYWARD,
Clerk of the West Sussex County Council.
HERBERT A. E. HEY,
Town Clerk, Arundel.
L. BAILEY,
Clerk to the Chichester Rural District Council.

County Hall, Chichester. 11th April, 1939.

Borough of Slough.

ETON URBAN DISTRICT.
ETON RURAL DISTRICT.
ETON JOINT HOSPITAL BOARD.

JOINT APPOINTMENT OF DEPUTY MEDICAL OFFICER OF HEALTH AND DEPUTY MEDICAL OFFICER OF HOSPITAL.

Applications are invited for the appointment of Deputy Medical Officer of Health for the combined areas of the Borough of Slough and the Urban and Rural Districts of Eton and Deputy Medical Officer of the Eton Joint Isolation Hospital (45 Beds).

Applicants must be duly qualified and registered Medical Practitioners, not exceeding forty years of age. Possession of a Diploma or Degree in Public Health is essential. Preference will be given to candidates possessing previous experience in general public health work, infectious diseases, and bacteriology.

The salary will be at the rate of £500 per annum, rising, subject to satisfactory service, by annual increments of £25 to £700, together with a travelling allowance (for motor car) of £75 per annum, but in fixing the commencing salary regard will be paid to qualifications and previous local authority service.

The post will be superannuable, and the successful applicant will be required to pass satisfactorily a medical examination.

Applications, on a form obtainable from the undersigned, together with copies of three recent testimonials, should be addressed to me and delivered at the Town Hall, Slough, not later than Saturday, April 29, 1939.

F. R. DUXBURY, Town Clerk.

Town Hall, Slough, April 11th, 1939.

Bristol Eye Hospital.

(82 Beds.)
1938: 1232 In-patients; 20,652 Out-patients.

Applications are invited for the post of SENIOR RESIDENT HOUSE SURGEON. Vacant May 1st. Five months' appointment. Salary £150 per annum.

Applications, stating age and qualifications, with three recent testimonials, to reach the undersigned at earliest opportunity.

D. M. BABER, Secretary and House Governor.

Royal East Sussex Hospital, Hastings.

Applications are invited for the post of SENIOR HOUSE SURGEON (Female), vacant 19th May, 1939. The appointment is for a period of six months.

Salary at the rate of £200 per annum, with board, residence.

Candidates must be duly registered Medical Practitioners.

Applications, with copies of recent testimonials, to be addressed to the Secretary by April 28th, 1939.

WILFRID G. KEMSLEY.

Buckinghamshire County Council.

DEPUTY COUNTY MEDICAL OFFICER OF HEALTH AND SCHOOL MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners, not over forty years of age, holding a registrable qualification in Public Health, Sanitary Science, or State Medicine for the appointment of Deputy County Medical Officer of Health and School Medical Officer for the Administrative County of Buckingham, at a commencing salary of £750 per annum, rising, subject to satisfactory service, by annual increments of £25 to £900 per annum.

The successful applicant will be required to pay contributions under the Local Government Superannuation Act, 1937, and to pass a medical examination as to physical fitness.

Particulars and conditions of the appointment are set out on the form of application, which can be obtained from the undersigned.

Applications, on the prescribed form, accompanied by copies of not more than three recent testimonials, which will not be returned, should be addressed to the County Medical Officer, and delivered at the County Offices, Aylesbury, not later than 11 A.M. on Tuesday, 25th April, 1939, marked "Deputy County Medical Officer."

GUY R. CROUCH, Clerk of the Bucks County Council.

County Hall, Aylesbury, April, 1939.

Wonford House Registered Hospital,

EXETER.

Applications are invited for the post of ASSISTANT MEDICAL OFFICER (Male, single) at a commencing salary of £350 per annum, increasing by annual increments of £30 to £500 per annum, together with board, lodging, and laundry. An additional £50 per annum will be paid for the possession of the Diploma in Psychological Medicine. Previous mental hospital experience is desirable.

Applications, stating age, nationality and accompanied by copies of three recent testimonials should be sent to the Medical Superintendent immediately.

County of Kent.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH (MALE).

Applications are invited for the above-mentioned whole-time appointment on the central medical staff of the Public Health Department.

The duties of the post will be mainly in connexion with Air Raid Precaution Medical Services, and candidates should be familiar with the administrative aspects of such schemes. A knowledge of general public health work will be an advantage. The person appointed will be expected to undertake any other duties as the County Medical Officer may require and if Air Raid Precaution work grows less, opportunity will be given for undertaking general public health work.

According to qualifications and experience a salary of not more than £700 a year will be paid, together with subsistence and travelling allowances according to the County Council's scale. If a lower commencing salary is arranged it will not be less than £500, and will rise to £700 by annual increments of £25. The appointment will be terminable by three months' notice on either side.

The post is superannuable and the successful candidate will be required to pass a medical examination. Applicants should state if they have any commitments to the fighting services.

Applications should be submitted to the County Medical Officer, Sessions House, Maidstone, with copies of three recent testimonials, and should reach him not later than the 25th April, 1939.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 6th April, 1939.

County of Kent.

ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited for the above-mentioned whole-time appointment on the central medical staff of the Public Health Department.

The duties of the post will be mainly administrative and it is desirable that candidates should have had previous experience in the general administrative work of a Public Health Department.

The salary is at the rate of £700 a year with subsistence and travelling allowances according to the County Council's scale.

The post is superannuable, and is terminable by three months' notice on either side. The successful candidate will be required to pass a medical examination.

Forms of application and, if required, further details of the appointment can be obtained from the County Medical Officer, Sessions House, Maidstone, and completed application forms must be returned to him not later than 25th April, 1939.

W. L. PLATTS, Clerk of the County Council.

Sessions House, Maidstone, 6th April, 1939.

Manchester Ear Hospital,

Grosvenor-square, All Saints.

Applications are invited for the post of VISITING ANÆSTHETIST to the above Hospital. Particulars of the duties and remuneration may be obtained from the Secretary.

Applications, together with testimonials, should be addressed to Mr. REGINALD S. MILFORD (Hon. Secretary, Manchester Ear Hospital), C/o Mr. W. J. Eliam, 17, Brazennose-street, Manchester, 2.

The Royal Albert Institution for the FEEBLE-MINDED, LANCASTER.

Wanted, a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Male), registered, unmarried. Dental experience essential, and knowledge of refraction work an advantage. Commencing salary £375, if also qualified in Dentistry £425, with emoluments valued at £120 a year for superannuation purposes.

Applications, accompanied by copies of three recent testimonials and with two personal references, to the Medical Superintendent not later than Monday, 8th May, 1939.

Lincolnshire Joint Board for the MENTALLY DEFECTIVE.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER.

The Lincolnshire Joint Board for the Mentally Defective invite applications from single persons registered under the Medical Acts and experienced in the institutional care and treatment of mental defectives, for the post of Assistant to the Medical Superintendent of the HARMSTON HALL COLONY. The Colony, with four ancillary Institutions, provides accommodation for 745 high grade and low grade male and female mental defectives of all ages. Salary £350, rising by annual increments of £25 to £450 per annum with emoluments (board, quarters, &c.) valued at £100. Travelling expenses will be paid in accordance with the scale of the Joint Board for the time being in force. The officer appointed will be required to assist the Medical Superintendent generally in the performance of his duties and to devote the whole of his time to the duties of the office. The appointment will be subject to medical examination for superannuation under the Asylums Officers' Superannuation Act, 1909, as amended by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918.

Applications, on the form which may be obtained from the undersigned, together with copies of not more than three recent testimonials, must be received by me not later than 6th May, 1939.

ERIC W. SCORER, Clerk to the Joint Board.

County Offices, Lincoln.

City of Leeds.

PUBLIC HEALTH DEPARTMENT.

Applications are invited from duly qualified and registered Medical Practitioners (Male) for the post of ASSISTANT to the MEDICAL OFFICER OF HEALTH.

The duties will be chiefly concerned with the organisation of the Casualty Services in connexion with the Corporation's scheme of air-raid precautions.

Candidates should not be under the age of thirty-five years and should have had experience in the teaching of first-aid and the organisation of ambulance classes. The person appointed will be required to devote his full time to the office.

The appointment in the first place will be for a period of one year, at the end of which time it may be renewed for a further period. The salary is £600 per annum.

Applications, stating age, qualifications, and experience endorsed "A.R.P., M.O.," and accompanied by copies of three recent testimonials, must be received at the Health Department, 12, Market-buildings, Vicar-lane, Leeds, 1, not later than 10 A.M. on Saturday, April 29th, 1939.

J. JOHNSTONE JERVIS, Medical Officer of Health.

Barnwood House Hospital for Mental AND NERVOUS DISORDERS, Nr. GLOUCESTER.

Required: SECOND ASSISTANT MEDICAL OFFICER. Male; single. Commencing salary £450 per annum, with board, residence, and laundry, plus an extra £50 per annum if possessing the D.P.M. Experience in Psychotherapy a recommendation. The Hospital has its own non-contributory pension scheme.

Applications, with copies of three recent testimonials, to be forwarded to the Medical Superintendent.

City of Manchester Education COMMITTEE

APPOINTMENT OF SCHOOL MEDICAL OFFICER.

Applications are invited for the post of School Medical Officer from candidates who possess the necessary qualifications. Salary £1000 per annum.

The form of application and a copy of the particulars and conditions of appointment may be obtained from the undersigned. The last date for the receipt of applications is 6th May, 1939.

Canvassing, directly or indirectly, will disqualify a candidate.

W. O. LESTER SMITH, Director of Education.

Education Offices, Deansgate, Manchester 3,
17th April, 1939.

Altrincham General Hospital.

(100 Beds.)

Applications are invited for the post of (1) SENIOR HOUSE SURGEON, salary at the rate of £150 per annum; and (2) JUNIOR HOUSE SURGEON, salary at the rate of £120 per annum, both with board, &c., to commence duty on or about 8th May, 1939 (six months' appointment).

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned not later than 3rd May, 1939.

E. A. BIDEN, Secretary.

North Riding Infirmary, Middlesbrough.

(General Hospital. 143 Beds. Three Residents.)

Wanted at once HOUSE PHYSICIAN, whose duties also include the administration of a number of Anæsthetics. Candidates must be unmarried and of British nationality.

Appointment will be for not less than six months, and renewable. Salary is at the rate of £140 per annum, with board, residence, and laundry.

Applications, stating age, qualifications, and experience, together with copies of three recent testimonials, should be sent to the undersigned forthwith.

GERALD A. KENYON, Secretary-Superintendent.

The Royal Cripples Hospital, BIRMINGHAM.

278 Beds for Acute Cases (including a proportion of patients suffering from Tubercular Bone Disease) and large Out-patient Department.

Applications are invited for the post of RESIDENT HOUSE SURGEON (Male), vacant May 15th, 1939. Salary £200 per annum, plus car allowance. The appointment, which is for a period of six months, is renewable on the discretion of the Medical Board, and is terminable by one month's notice on either side.

Candidates must be unmarried, and preference will be given to those with previous experience in General and Orthopædic Hospitals.

Applications, with copies of three recent testimonials, to be sent on or before May 1st, 1939, to the General Secretary, Royal Cripples Hospital, 80, Broad-street, Birmingham, 15.

Norfolk and Norwich Hospital, NORWICH. (440 Beds.)

Applications are invited for the post of HOUSE SURGEON to the SPECIAL DEPARTMENTS (EAR, NOSE, AND THROAT, AND OPHTHALMIC). Salary £160 per annum, with board, residence, and laundry. Candidates (Male) must be unmarried and must possess registered qualifications.

Applications, staging age, nationality, &c., together with copies of testimonials, should reach the undersigned not later than Tuesday, 25th April, 1939.

FRANK INCH, House Governor and Secretary.

14th April, 1939.

Hertford County Hospital, Hertford, HERTS.

Applications are invited for the post of HONORARY ASSISTANT SURGEON.

Candidates should possess a degree in Surgery of a British University or the Fellowship of one of the Royal Colleges of Surgeons.

Applications (16 copies), together with copies of testimonials, should be made by Monday, the 8th May, 1939, to the undersigned.

PERCY G. BROOKS, Secretary.

The Staffordshire General Infirmary, STAFFORD.

(145 Beds, including 14 Private Wards. Three Residents.)

HOUSE SURGEON required to take up duties on the 1st May. Salary £175 per annum with board, residence. Experience in Fracture Work an advantage. The appointment to be held for at least six months.

Applications, stating age and giving particulars of experience, together with copies of three recent testimonials, should be sent to me forthwith.

A. E. COLLINS, Secretary.

Stafford, 12th April, 1939.

The Staffordshire General Infirmary, STAFFORD.

(145 Beds, including 14 Private Wards. Three Residents.)

HOUSE PHYSICIAN required to take up duties on the 1st May. Salary £150 per annum, with board, residence. The appointment to be held for at least six months.

Applications, stating age and giving particulars of experience, together with copies of three recent testimonials, should be sent to me forthwith.

A. E. COLLINS, Secretary.

Stafford, 12th April, 1939.

The Royal Hospital, Wolverhampton.

(Incorporated under Charter.)

HOUSE SURGEON required for FRACTURE AND ORTHOPÆDIC DEPARTMENT. Duties to commence forthwith.

The Hospital contains 300 beds, includes the usual special departments and is recognised by the various Examining Bodies for a part of the requisite attendance on Medical and Surgical Practice.

Candidates must be registered under the Medical Acts, and unmarried.

The appointment is for six months. Salary at the rate of £100 per annum. Board, furnished rooms, and laundry provided. Applications, with copies of testimonials, to be forwarded to the undersigned.

W. H. HARPER, House Governor.

The Royal Army Medical Corps ASSOCIATION, 85, Eccleston-square, S.W.1 (Telephone: Victoria 2722), supplies qualified Dispensers, Book-keepers, Laboratory Assistants, Sanitary Assistants, Male Nurses, Mental and Special Treatment Orderlies, Dental Clerk Orderlies, Porters, Caretakers, &c., without charge to respective employers.

Typewriting.—Specialists in Typing Medical and Scientific Papers, Lectures, Theses, and Books. Highest recommendations. Shorthand typists always available. Proof-reading, indexing. Translations in all European languages.—Margaret Watson, Ltd., 16, Palace Chambers, Bridge-street, S.W.1 WHItehall 3838.

Certified Diet Cook, age 36, German Jewess, now in London, speaks little English, trained with Prof. Norden for Diabetic and Stomach Ailments (also Hospital and General Cookery) would undertake work in exchange for board and lodgings for herself and 16-year-old trainee son. Address, No. 591, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Locum required, two to six months, for Private Mental Hospital. £7 7s. weekly, with board, residence, and laundry.—Apply, stating age and qualifications, to the Acting Medical Superintendent, The Coppice, Nottingham

The National University of Ireland APPOINTMENTS COMMITTEE can recommend suitably qualified Medical Graduates as Locum Tenentes or Assistants. Medical practitioners who require such services should apply, stating all particulars to the Secretary, Appointments Committee, N.U.I., 86, St. Stephen's Green, Dublin. Telephone Dublin 51793.

Assistant required with a view to Partnership in a Radiological Practice in South Africa. Commencing salary £1200 to £1500 according to experience, but may be increased for exceptional qualifications.—Address, No. 569, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

F.R.C.S. (Eng.), M.B. (Lond.), 40, seeks PARTNERSHIP or appointment as SURGEON in specialising firm or otherwise. Extensive G.P. and surgical experience all branches. Income not less than £1800. Capital available.—Address, No. 580, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

Wanted, Junior Partner in old- established PRACTICE near London. Non-panel, non-dispensing. Share worth £1200 to £1400 at first, to be increased in two years. Age 27 to 31. University degree, house appointments, and some experience of general practice essential.—Address, No. 587, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London.—Cora Hotel. Upper Woburn-place, near B.M.A Headquarters. Accommodates 235 visitors. Modern comforts.
Excellent table. A.A. and R.A.C. recommended.
Room, bath, and table d'hôte breakfast, 8s. 6d.

Telephone: HOLborn 1342

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List of Fees, etc., on application to the Medical Superintendent.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

"You smoke the Nation's best, I see"
Said a life-long TOM LONG devotee.

Several Good Secondhand Microscopes and Objectives, by Ross, Zeiss, Watson, &c., to be cleared at very low prices. Details on application.—City Sale and Exchange (1929), Ltd., 93–4, Fleet-street, E.C.4.

Unfurnished Flatlets, own Bathrooms, C.H.W. Rents from 25s. per week. Partial or full board, or occasional meals as desired.—5, Roland Houses, Old Brompton-road, S.W.7, near Gloucester-road Station. Kensington 6538.

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Perfect House, ideal for Practitioner retiring and wishing to take in two or three good patients. Sea front. No traffic, central heating, near London. For Sale, Furnished or Unfurnished.—Write BOX 106, LEATHWAIT & SIMMONS, 1-4, Copthall Chambers, E.C.2.

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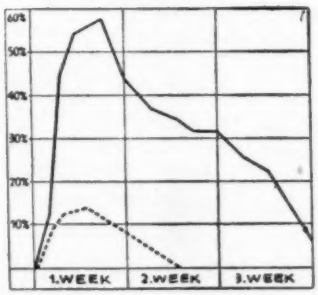

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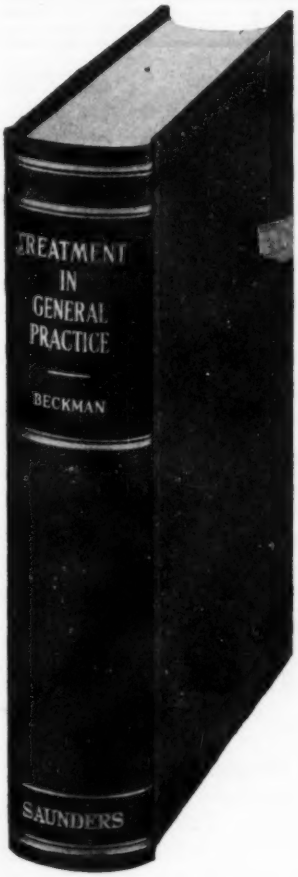

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For a beverage to have the pleasure of beer and the curative properties of medicine is a triumph indeed. The medicinal properties of "Patz" Lager are derived from the choicest Saaz Pilsen hops, biologically pure yeast cultures, and specially selected water. "Patz" matures for 12 months, three to four times as long as most Lager beers—has an exceptionally high gravity (1049°), and is of full strength (5·18%). It holds the world's Record Sale. "Patz" Lager is prescribed for gout, liver and kidney disorders, loss of appetite, constipation and mild diabetes.

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Patz Lager

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Special Air Service solves Invalids Travel Problems

Successful record of the K.L.M. Medical Service

During the past four years the K.L.M. Medical Service has shown that—with the single exception of sufferers from chronic heart disease—patients can successfully be transported by air when surface travel would be inadvisable. Over 60 patients were carried by K.L.M. during 1937 — many to Switzerland and the Continental Spas. Invalids are carried by regular K.L.M. services or by specially chartered machines. Full particulars from K.L.M., Horseferry House, Horseferry Rd., S.W.1. Telephone: Victoria 8484. Also 66/68 Haymarket, S.W.1, and all leading Travel Agents.

KLM ROYAL DUTCH AIR LINES

Detoxicated Vaccines

ORAL VACCINES

HORMONES

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PREPARED BY

Pickett Thomson Research Laboratory FOR

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The Therapeutic value of BRANDY—

its lifting and sustaining powers—as compared with other spirits depends on the presence or absence of the higher Alcohols or Ethers.

These in turn depend on Grape, Soil, Stills employed, Climate, Storage, Selection and Experience.

Take no risks; ensure the results you expect

Prescribe Brandy distilled in Pot Stills from Wines grown in the best Cognac districts; matured in warehouses which have been filled with Cognac Brandy for centuries; made by men with the inherited experience of seven generations.

In short—Prescribe

MARTELL

CONVALESCENCE - - - -

To be able to recommend, in cases of convalescence, a tea which is readily assimilated by the weakest stomach is undoubtedly an advantage.

There is such a tea with juices milder—much milder — than those which the astringent varieties contain.

This pure tea, "TY·PHOO" TEA, is grown upon the mountains of Ceylon and mainly consists of the delicate edges of the tea leaf; hence its difference.

Over 18,000 Doctors use "Ty·phoo" in their own homes and recommend it to their patients.

Write to:
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"Ty·phoo" TEA Ltd.
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for a FREE sample.
(This offer applies only to the British Isles.
We regret that we cannot send "Ty·phoo" abroad.)

Here is a recent letter from a medical man:

"I am pleased to say that a large proportion of my patients are using 'Ty·phoo' tea to the betterment of their digestions. I advise all I can telling them it is the tea I drink myself."

RECOMMENDED BY DIETITIANS AS A GOOD DIGESTIVE AND SOURCE OF ENERGY

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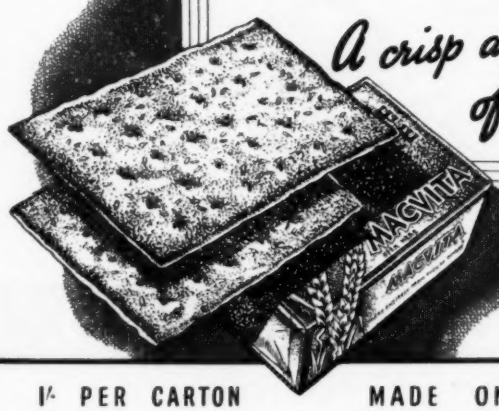
A crisp and nourishing product of English Wheat!



1/- PER CARTON MADE ONLY BY McVITIE AND PRICE

Intestinal Toxæmia with Hypertension
Gastric Fermentation and Distension

"CHARKAOLIN" adsorbs toxins and gases in the stomach and intestines. An index of its adsorptive activity is its complete deodorisation of the intestinal contents.

"CHARKAOLIN" has given remarkable results in some cases of hypertension with intestinal auto-intoxication.

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"CHARKAOLIN" GRANULES. In bottles at **2/6**
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Prices in Great Britain and Northern Ireland.

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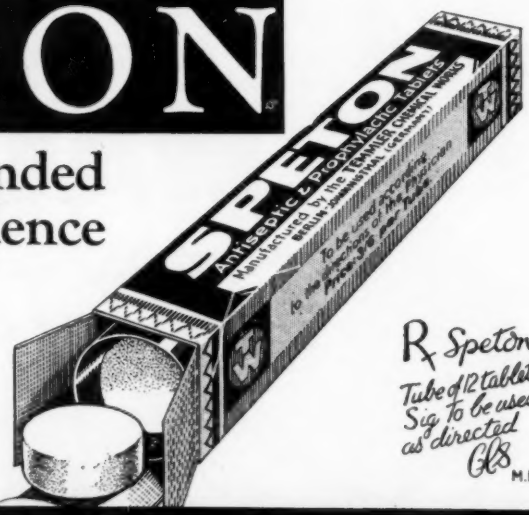
'CHARKAOLIN'

Allen & Hanburys Ltd., London, E. 2 Telephone: 3201 Bishopsgate (twelve lines) Telegrams: "Greenburys Beth London."

In contraceptive difficulties

SPETON

can be recommended with every confidence



Rx Speton
Tube of 12 tablets
Sig. To be used as directed
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Obtainable upon prescription through the pharmacist. On sale throughout the Dominions.

Wholesale Distributors for the United Kingdom and the Dominions :—

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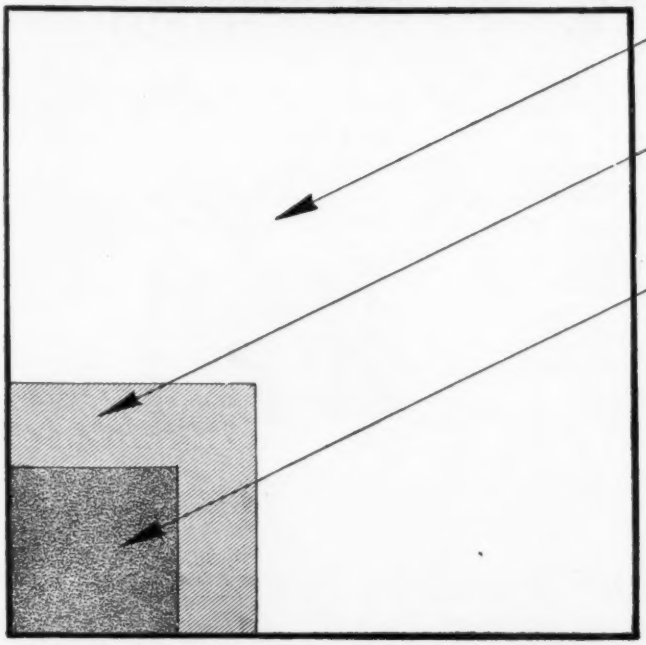
Vitamin B_1 in Foods



Large Square represents the Vitamin B_1 content of BEMAX (320-420 I.U. per oz.). The average daily adult requirement is 750 I.U. (League of Nations Committee.)

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SCARLET FEVER ANTITOXIN B.D.H.

In the treatment of scarlet fever, a specific streptococcal antitoxin is essential.

The scarlatina antitoxin prepared by The British Drug Houses Ltd. is highly concentrated and contains not less than 400 American units per c.c.

A less concentrated antitoxin containing 200 American units per c.c. is also available and this has been found of great value for the temporary protection of actual scarlet fever contacts. Other scarlet fever products prepared in the bacteriological laboratories of The British Drug Houses Ltd. — Reagents for Dick and Schultz Charlton Tests and Scarlet Fever Prophylactics — are also available.

Literature on request

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Telephone : Clerkenwell 3000 Telegrams : Tetradome Telex London

VS/S/29A

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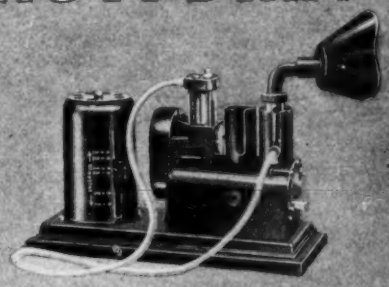
EFFECTIVELY TREATED
BY INHALATION WITH
BRONCHOVYDRIN

BRONCHIAL ASTHMA, HAYFEVER.

By reducing excessive irritation of the terminals of the vagus and stimulating the sympathetic
BRONCHOVYDRIN
overcomes the actual cause of an attack and secures
IMMEDIATE RELIEF
The best therapeutic results are obtained with the PNEUMOSTAT Electric Inhaler, especially designed for the treatment of ASTHMA and BRONCHITIS. The Pneumostat is adjusted for use on any electric current. The Pneumostat or Hand Inhalers are supplied on 10 days' free trial, to the Doctor or Patient, with adequate supplies of medicaments.



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VOLPAR GELS — in screw-capped glass tubes containing 1 dozen gels, 2s. 0d.

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A full size specimen packing will be sent to any physician on request

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Important Price Reductions of SEROGAN

Substantial reductions in the prices of Serogan are announced, permitting of a more extended use of this substance for the active stimulation of the ovarian follicle and the production of ovulation.

Dramatic evidence of the value of the serum gonadotropic hormone for this purpose has recently been published (Journ. Amer. Med. Assoc., October 8th, 1938, p. 1380) from which it appears that '. . . this substance is capable of causing rapid follicle growth ; apparently, under this influence, the follicles ripen, rupture, release their ova and are converted into corpora lutea all within twenty-four to thirty-six hours.'

Serogan is available in ampoules each containing 200 *rat units* :

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Subject to the usual professional discounts

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A Mucilaginous Laxative with a natural mechanical action...

'I-so-gel' GRANULES

Indicated in

CHRONIC CONSTIPATION, COLITIS,

and allied gastro-intestinal disorders

"I-so-gel" is a natural vegetable material. The granules absorb many times their volume of water and swell into a firm, gelatinous mass which both stimulates natural intestinal movements and soothes inflamed intestinal mucous membrane. Indicated in chronic constipation, hæmorrhoids, colitis, dysentery, and allied gastro-intestinal disorders, and after colostomy. Action purely mechanical. Sugar-free. Ideal for diabetics.

In bottles at 3/- and 5/6 each

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A non-poisonous, non-corrosive germicide having a Rideal-Walker co-efficient of 5.0, and is therefore about twice as effective as Lysol. This preparation has a fragrant pine odour.

Superior to LYSOL, IODINE, PHENOL, etc.

NON-STAINING, NON-IRRITATING, ECONOMICAL IN USE

In pint Bottles, ½-gallon Winchester Quarts, 1-gallon Tins

Free samples to members of the Medical Profession

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A Supplement of IRON, CALCIUM & VITAMIN D *in* **ADOLESCENCE PREGNANCY & DEBILITY**

When abnormal demands are made upon the nutritional reserves of the body (as in adolescence, pregnancy, debility), iron, calcium and vitamin D are the three food factors first exhausted. Moreover, it is in these three factors that modern diets are usually deficient.

Caldeferrum Tablets supply iron, calcium, and vitamin D as a *dietary supplement*. Four of these little chocolate-coated tablets daily—a simple, economical routine—provide the expectant mother, the growing girl, or the 'run-down' adult with effective reserves of the three key factors to health and well-being.

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Bottles of 50, 2/6; 100, 4/3; 500, 13/6; 1,000, 19/6. These prices (not applicable in Eire) are subject to usual professional discount.

GLAXO LABORATORIES LTD.
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SERENOL

biological non-toxic

SEDATIVE

Formula

Campho Sulphonate of sparteine	6.0 grams
Campho Sulphonate of ephedrine	2.5 ,,
Extract of boldo	10.0 ,,
Extract of crataegus	20.0 ,,
Extract of salvia	10.0 ,,
Tincture of marrubium	10.0 ,,
Glycerine extract of thyroid (1 equals 1 of fresh gland)	0.10 ,,
Valerian	50.0 ,,
Hexamethylene-tetramine	10.0 ,,
Excipient q.s.	ad 1,000 c.c.

PRICE - 4/6 per 4 oz. bottle.
Sample and Literature on request.

Serenol is a sedative with action on the centres of the nervous vegetative system, sympathetic and parasympathetic, and on the cortical centres. Recent knowledge has shown the interaction of nervous vegetative system and endocrine system, and on this knowledge SERENOL is based. It is thus a biological, not a symptomatic, sedative, and, unlike many other sedatives, has not a direct depressant action on the cortical cerebral centres.

Serenol is indicated in conditions of anxiety and general irritability, insomnia, hyperthyroidism, hyperadrenalism (as in neurocirculatory asthenia, effort syndrome), the so-called nervous palpitations of the heart, etc.

Serenol is given in the following dosage. For mild cases one to two dessertspoonsful on retiring. For more severe cases one dessertspoonful at 10 a.m., one dessertspoonful at 4 p.m. and two dessertspoonsful on retiring.

Serenol, being a biological sedative containing no barbiturate, is not habit forming.

CONTINENTAL LABORATORIES LTD. 30 MARSHAM STREET, LONDON, S.W.1

LIVOGEN

Vitamin B_1	400 international units
Liquid Extract of Yeast	equivalent to 2 oz. of fresh yeast
Liquid Extract of Liver	½ fl. oz.
Nicotinic Acid	an appropriate quantity for prophylaxis

in each fluid ounce

For administration in nervous depression and in anæmias of various ætiologies, also in convalescence following severe illness.

Sample on request

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Lgn/S/67

NEVROCAL

(Squire's Glycerophosphate Syrup with Strychnine)

A combination of the essential minerals, Iron, Calcium, Potassium and Sodium with assimilable Phosphorus and Strychnine

Indicated in cases of

Nervous Irritation Depression Lack of Energy

and

Particularly suitable during the convalescence from Influenza

In 6 oz. and 12 oz. bottles. Dose: Two teaspoonfuls three times a day.

SQUIRE & SONS, LTD.

Chemists on the Establishment of the late King George V.

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DETOXICATION by ADSORPTION

KAYLENE-OL

PLUS EVACUATION

The product with the dual therapeutic value

- Adsorbs and soothes, by virtue of its Kaylene content.
- Counteracts intestinal stasis by means of its lubricant paraffin constituent.

INDICATIONS: Chronic Colitis, Intestinal Toxæmia and Stasis.

IMPORTANT . . . . Kaylene-ol does not contain aluminium hydroxide or other alkalis. Therefore, Kaylene-ol does not interact to liberate soluble aluminium salts or remove the essential hydrochloric acid either by neutralisation or adsorption.

Samples and literature from the sole manufacturers:—

KAYLENE, LIMITED, WATERLOO ROAD, LONDON, N.W.2

Sole Distributors: ADSORBENTS, LIMITED.

OTITIS MEDIA

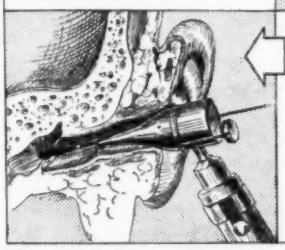
attack by 2 routes with ARGYROL

BRAND SILVER VITELLIN

THE ability of ARGYROL to allay mucous membrane infections has never been equalled by any of its imitations. ARGYROL possesses certain detergent, decongestive, bacteriostatic, and soothing qualities that make it outstanding in its field.

These are the result of definite chemical and physical properties that differentiate it from ordinary mild silver proteins. The silver in ARGYROL is in a much finer state of colloidal dispersion. There is a far greater degree of Brownian movement as seen under the ultramicroscope. The hydrogen ion and silver ion concentration in ARGYROL are specifically regulated for the treatment of delicate mucous membranes. Unlike most other silver salts it does not tend to become irritating with increased concentration. To ensure your results, specify the name ARGYROL on all solutions ordered or prescribed.

In Otitis Media the importance of treating the naso-pharyngeal mucous membrane and of decongesting the orifice of the Eustachian tube is recognized. ARGYROL *tamponade as suggested by Dowling is an effective method of ridding the nasal passage-ways of infection. In addition, an* ARGYROL*-soaked tampon may be placed directly over the Eustachian opening by passing it backward along the floor of the nose.*



In chronic cases, a cotton-tipped probe dipped in 5% ARGYROL *may also be introduced through the perforation. This is a most effective method of treating recurrent attacks of otorrhoea. When the tympanic attic is involved, the* ARGYROL *may be applied through a Blake cannula.*

Sole Distributors:

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THERE IS ONE AND ONLY ONE "ARGYROL," MADE ONLY BY: A. C. BARNES COMPANY. SOLE MAKERS OF ARGYROL AND OVOFERRIN

ASTHMA

IS PROMPTLY RELIEVED

by injections of

EVATMINE (B.O.C.)

(Prepared in France)

A scientific combination of adrenalin and pituitary ext.

Supplied in boxes of 6 or 12 1 c.c. ampoules for hypodermic injection.

THIS PREPARATION is also successfully employed in:—
HAY FEVER, PERSISTENT COUGH, CROUP and other spasmodic affections, **URTICARIA, ANGIONEUROTIC ŒDEMA, CHILBLAINS, COLLAPSE** and **SHOCK**

Particulars of all Preparations supplied on request

BRITISH ORGANOTHERAPY CO. LTD.

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Telephone: Gerrard 7111. Telegrams: "Lymphoid, London."
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'PANOPEPTON'

THE FOOD FOR THE SICK

Supplies directly available energising food; especially designed to make no draft upon the strength of the enfeebled organism.

'PANOPEPTON' contains, in stable agreeable solution, 24% of solids, derived by physiological hydrolysis from prime lean beef and whole wheat, in a scientifically balanced ratio.

'PANOPEPTON' has nourished and restored in cases of intolerance of other foods.

SUPPLIED IN 12-oz. BOTTLES.

Gastric Tissue Juice Extract

'ENZYMOL'

Proves of special service in the treatment of pus cases

'ENZYMOL' resolves necrotic tissue, exerts a reparative action, dissipates foul odours; a physiological, enzymic surface action. It does not invade healthy tissue; does not damage the skin.

It is made ready for use, simply by the addition of water.

These are simply notes of clinical application during many years:

Abscess cavities	Diabetic gangrene
Antrum operation	After removal of tonsils
Sinus cases	After tooth extraction
Corneal ulcer	Cleansing mastoid
Carbuncle	Middle ear
Rectal fistula	Cervicitis

SUPPLIED IN 4-oz. BOTTLES.

Originated and Manufactured by—
FAIRCHILD BROS. & FOSTER (Inc. N.Y.), *NEW YORK, and 65, Holborn Viaduct, London, E.C.1.*

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BURROUGHS WELLCOME & CO., *LONDON, SYDNEY and CAPE TOWN.*

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Safe Salicylate Therapy

THE popularity of acetyl-salicylic acid is undoubtedly due to the fact that it is one of the safest and most effective non-narcotic analgesics available. Too often, however, its use has been discarded by the physician on account of its tendency to irritate the stomach and because entirely pure preparations are not always available.

"Alasil" provides the beneficial therapeutic effects of pure acetyl-salicylic acid in such a form that it is acceptable even by disordered digestions. This tolerability is due to the fact that it combines calcium acetyl-salicylate—the least irritating salicylate compound—with "Alocol," a potent gastric sedative and antacid.

Since "Alasil" is better tolerated than acetyl-salicylic acid its use can be pushed or prolonged to a much greater extent than the latter "Alasil" is, therefore, an analgesic, antipyretic, and anti-rheumatic, which can be employed with complete confidence in all the many conditions in which such an agent is indicated.

A supply for clinical trial with full descriptive literature sent free on request:

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M287

THE POSTPARTUM PERIOD

• *The use of a suitable oxytocic in the puerperium is recognized to be of marked value in promoting involution since uterine tone is increased and uterine motility reinitiated.*

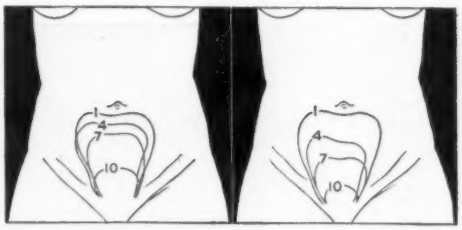


Fig. A
Ordinary uterine involution 1, 4, 7, and 10 days postpartum

Fig. B
Involution following 'Ergotrate' 1, 4, 7, and 10 days postpartum

Tablets 'Ergotrate' brand maleate of a new ergot base are recommended for oral use during the puerperium and may be relied upon to produce the uterine contractions and increased uterine tone which are desired.

Ampoules 'Ergotrate H' brand hydracrylate of a new ergot base are recommended for parenteral use. The solution is permanent and stable. The action is dependable in the presence of obstetric emergencies or in post-delivery complications.

ELI LILLY AND COMPANY LIMITED
BASINGSTOKE and LONDON

Allenburys
Orange Juice
CONCENTRATED SWEETENED

Supplies a potent source of the anti-scorbutic vitamin C in a form convenient for infant feeding and other purposes.

It is equivalent to about four times as much fresh orange juice and retains its full activity for a long period.

Employed with advantage in all cases in which fresh orange juice is used.

May be taken by children and adults in the form of a delightful drink by diluting with about ten times its volume of plain or aerated water or milk.

In bottles, 2/3 each

Allen & Hanburys Ltd.
Phone: BISHOPSGATE 3201. LONDON, E.2 (Grams: "GREENBURYS, BETH, LONDON")

Further particulars and clinical sample will be sent post free on application.

TO DOCTORS WHO DO NOT CARE TO PRESCRIBE APERIENTS DURING PREGNANCY

New way to correct common constipation

An excellent breakfast for the expectant mother consists of All-Bran, with milk or cream, followed by fresh fruit or salad. To drink — weak, freshly-made tea, milky coffee or fruit juice.

MANY leading obstetricians have found that regularity can almost invariably be maintained throughout pregnancy without recourse to aperients simply by increasing the intake of "bulk" in the diet.

For this reason, Kellogg's All-Bran is specially to be recommended in the diet of expectant mothers.

All-Bran is purified wheat bran in the form of an attractively crisp breakfast cereal. It provides the same type of fibrous bulk as that derived from fruit and vegetables but has this striking advantage: the fibrous matter in bran, unlike that of vegetables, breaks down less easily during the process of digestion and is therefore far more effective in promoting regular and thorough action of the bowels.

The function of All-Bran

The great value of All-Bran is that it absorbs water and softens like a sponge. This water-softened mass gently but effectively aids elimination. Eaten regularly, All-Bran promotes normal colonic peristalsis and results in easy, natural evacuation of the bowel contents without strain on the pelvic organs. And All-Bran supplies iron. Moreover, it is a much richer source of Vitamin B_1 than most of our common foods and for this reason it is a particularly valuable food during pregnancy and lactation.

Eaten daily, All-Bran ensures comfortable regularity even during the later stages of pregnancy when the tendency to common constipation is increased by growing pressure on the internal organs. During the lying-in period it is also invaluable in aiding a quick return to normal habits and as a means of avoiding harmful strain on weakened muscles.

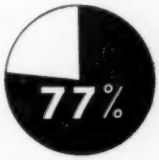
All-Bran may be served as a cereal with milk or cream, or cooked into appetising scones, bread, etc. It may also be taken in combination with other cereals or sprinkled over salads and other foods. To ensure maximum effectiveness, plenty of fluid should be taken, preferably between meals. All-Bran is obtainable from all reliable grocers. A packet will be sent free on request to any qualified practitioner. Inquiries should be addressed to: Kellogg Company of Great Britain Ltd., Stretford, Manchester.

The rapid enzymic action

OF BENGER'S FOOD

The instant hot milk is added to Benger's Food, self digestive action by natural pancreatic enzymes begins.

As supplied in the tin, Benger's Food is a special wheaten powder, containing 77% of insoluble starch.



So quick is the enzymic action of Benger's Food that within 2 minutes of adding the hot milk insoluble starch has been reduced to 0.5%.

The milk proteins have simultaneously been modified, so that when prepared Benger's Food comes in contact with the gastric juices it separates into fine flocculi instead of the heavy tough curds formed by milk itself. All this change in two minutes! And by the time the milk used to make Benger's Food is sufficiently cool to drink, the self-digestion of Benger's Food is carried as far as it need be for all cases where digestion is slightly impaired or where light diet is indicated.

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Sole Manufacturers: BENGER'S FOOD, LTD., HOLMES CHAPEL, CHESHIRE.

The Benger Laboratories are always at the disposal of the medical profession in any of their dietetic problems. Physicians' samples of Benger's Food are always available.

LIVE FOOD FOR BABIES

No other is so good

FIRST THOUGHT: *Breast Milk*

SECOND THOUGHT: *Fresh Cow's Milk, Water and Mead's Dextri-Maltose*

For almost three decades this combination has been found by physicians to be a successful system of feeding babies who for one reason or another are denied their heritage of mother's milk.

Mead's Dextri-Maltose No. 1. With 2 per cent. sodium chloride for normal babies and babies recovering from diarrhœa.

Mead's Dextri-Maltose No. 2. Salt-free. For normal babies as well as babies requiring some special mineral salt, nursing mothers and adult invalids.

Mead's Dextri-Maltose No. 3. With 3 per cent. potassium bicarbonate for the constipated type of baby.

Mead's Dextri-Maltose with Vitamin B. For babies showing symptoms of vitamin B deficiency.

MEAD JOHNSON & CO., EVANSVILLE, IND., U. S. A.

Samples and literature on application.

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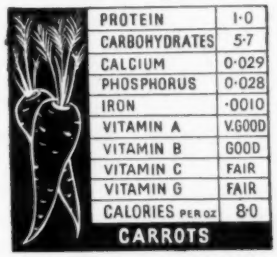
VEGETABLE PURÉES IN PEDIATRICS

A solution to the problem of home preparation

THE markedly improved nutrition and successful tolerance by infants to strained vegetables and fruits is rapidly securing a universal popularity for this dietary.

In theory there is no more desirable way of meeting systemic acidity, nutritional anaemia and supplying dietary bulk for intestinal residue in a non-irritant form.

In practice, however, defects in the home preparation of purées retard or defeat the end in view. The vegetables used are not fresh, overmuch water or boiling in uncovered kettles reduces the mineral and vitamin content, and coarse sieving allows harsh fibre to pass.



PROTEIN	1·0
CARBOHYDRATES	5·7
CALCIUM	0·029
PHOSPHORUS	0·028
IRON	·0010
VITAMIN A	V.GOOD
VITAMIN B	GOOD
VITAMIN C	FAIR
VITAMIN G	FAIR
CALORIES PER OZ	8·0

CARROTS

A typical example of the high nutritive values retained in Heinz Strained Foods. (Figures show percentages on the wet basis)

In consequence there is a growing demand on the part of physicians and mothers for such a product that shall have the highest possible nutritive value, and complete uniformity. Their attention having been drawn to this, the H. J. Heinz Company decided that here was a legitimate extension of their services in view of their wide buying resources and long experience in the preparation of foods.

This company is accustomed to buying vegetables in those regions where they grow best, and to dealing with them within a few hours of their harvesting at the correct season of the year. This last is, of course, highly important.

The best factory practice is inevitably better than home preparation, however careful. After scrupulous cleaning, for example, vegetables are cooked in the Heinz factories under light steam pressure with exclusion of air until just soft enough to be comminuted by extrusion and cutting. The whole process is so regulated that the juices of the vegetables are retained throughout, there are no mechanical losses of mineral salts, vitamins or other soluble nutrients, and the resulting purée is adjusted to the proper consistence for satisfactory marketing.

Before filling and sealing, the product is subjected to a process for the removal of any absorbed air, and sealing takes place *in vacuo*. Finally, the sealed containers are immediately sterilised under known conditions of time and temperature. By these means are secured the high nutritional qualities, uniformity and convenience that physician, mother and patient desire.

NOTE.—Heinz Strained Foods are not packed in glass, for it has been found that light has an adverse action on vitamin content and palatability.

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APRICOTS and APPLE SAUCE
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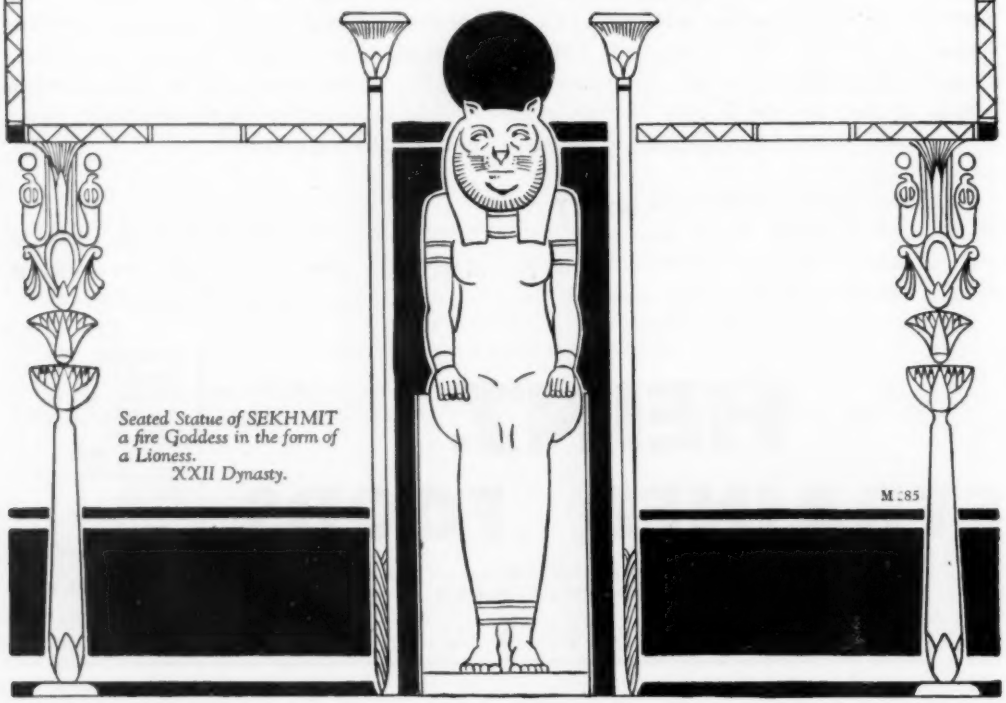

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constitute a "tripod" of Modern Disease

By dilating the peripheral blood vessels, Dr. Buergi's preparation of chlorophyll ('Phyllosan' tablets) becomes a therapeutic weapon in the treatment of high blood pressure. As it also *augments the force of the heart beat*, the circulation is adequately maintained.

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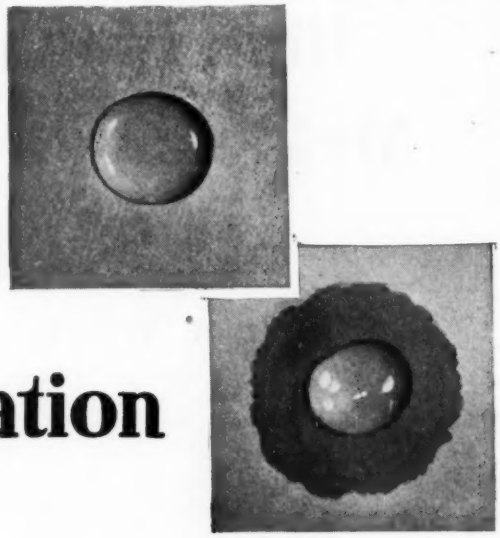

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T.A.F. is a most effective immunising agent from which reaction is rare. It should be used when the subject is more than eight years of age. Dose, three injections each of 1 cc. at intervals of one or two weeks.

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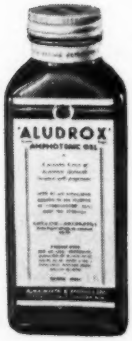

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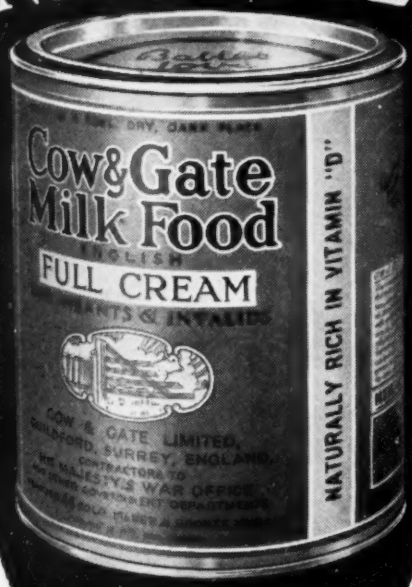

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Lactose	37.6	4.7
Mineral Salts	6.0	0.7
Moisture	2.5	87.9
	100.0	100.0
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[*See also pp.* 10, 13 & 19.]

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Protein	absent	absent	Protein	absent	absent	Protein	absent	absent
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Candidates whose applications are accepted must submit case records, &c., as required by the Regulations not later than Tuesday, 20th June.

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IN CONNECTION WITH THE UNIVERSITY AND ROYAL COLLEGES, 1939

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This REGISTERED HOSPITAL, with a SEASIDE BRANCH at Colwyn Bay, N. Wales, is for the treatment and care of those of the Upper and Middle Classes suffering from MENTAL AND NERVOUS DISEASES.

The Hospital is governed by a COMMITTEE, appointed by the TRUSTEES of the Manchester Royal Infirmary.

In addition to the Main Buildings there are separate villas. Extensive grounds. Hard and grass tennis courts, cricket and croquet grounds, and a court for badminton. There are also wireless installations. Golf may be had within easy distance. Occupational Therapy.

VOLUNTARY, TEMPORARY, AND CERTIFIED PATIENTS received.

The Hospital is nine miles from Manchester, 50 minutes by rail from Liverpool, and 3½ hours from London.

For terms and further particulars apply to the Medical Superintendent, who may be seen in Manchester BY APPOINTMENT. *Telephone* · *Gatley* 2231 (3 lines).

CAMBERWELL HOUSE

Telegrams: "PSYCHOLIA, LONDON." 33, PECKHAM RD., LONDON, S.E.5. Telephone: Rodney 4242 (2 lines).

For the treatment of MENTAL DISORDERS.

Also completely detached Villas for Mild Cases, with private suites if desired. Voluntary Patients received. Twenty acres of Grounds. Hard and Grass Tennis Courts, Putting Greens, Bowls, Croquet, Squash Rackets, Recreation Hall with Badminton Court, and all indoor amusements, including Wireless and other Concerts, Occupational Therapy, Calisthenics, and Dancing Classes. X-ray and Actino-therapy, Prolonged Immersion Baths, Operating Theatre, Pathological Laboratory, Dental Surgery, and Ophthalmic Department. Chapel. **Shock and also modified Insulin Therapy.**

Senior Physician: Dr. HUBERT JAMES NORMAN, assisted by a resident Medical Staff, and visiting Consultants.

An illustrated Prospectus, giving fees which are strictly moderate, may be obtained upon application to the Secretary.

The Convalescent Branch is Hove Villa, Brighton, and is 200 feet above sea level.

HAYDOCK LODGE,

NEWTON-LE-WILLOWS, LANCASHIRE.

For the reception and treatment of PRIVATE PATIENTS of both sexes of the UPPER AND MIDDLE CLASSES suffering from Mental and Nervous Disorders, Alcoholism and Drug addiction, either voluntarily, temporarily, or under certificate. Patients are classified in separate buildings according to their mental condition. Situated in park and grounds of 400 acres. Self-supported by its own farm and gardens in which patients are encouraged to occupy themselves. Every facility for indoor and outdoor recreation. For terms, prospectus, etc., apply MEDICAL SUPERINTENDENT. *'Phone:* Ashton-in-Makerfield 7311. *Tele. Address:* Street, Ashton-in-Makerfield.

RUSSELLS

Hemel Hempstead Road,

WATFORD

Telephone: WATFORD 5917

A convalescent home for the care and treatment of mild and recoverable nervous conditions in both sexes. The house is situated high up in 40 acres of grounds, 17 miles from London, at the termination of the Watford by-pass. One medical officer is in residence, and two others are in daily attendance. Fees from ten guineas a week, inclusive.

Apply: RESIDENT MEDICAL OFFICER.

PORTSMOUTH CITY MENTAL HOSPITAL

Accommodation is provided for the reception of PRIVATE PATIENTS of both sexes in three detached Villas, which are healthily and pleasantly situated in extensive grounds with sea views.

Charges from 3 guineas weekly, including all necessaries except clothing.—Apply to the Medical Superintendent and Resident Physician, THOMAS BEATON, O.B.E., M.D., F.R.C.P.

THE WARNEFORD, OXFORD.

HOSPITAL FOR MENTAL DISORDERS.

President: The Right Hon. the LORD SAYE AND SELE.

This Registered Hospital for the Treatment and Care, at moderate charges, of Mental Patients belonging to the educated classes, stands in a healthy and pleasant situation on Headington Hill, near Oxford. Voluntary and Temporary Patients are also received for treatment. The adjacent estate of HIGHFIELD PARK has recently been acquired and the house, which has been modernised and equipped with every comfort, is now available for mild and convalescent patients. Private suites can be arranged.

For further particulars apply to the Physician-Superintendent.

HEIGHAM HALL, NORWICH

A PRIVATE MENTAL HOME situated in 14 acres of well-wooded grounds. For Ladies and Gentlemen suffering from Nervous or Mental Illness. Voluntary Patients, Temporary Patients, and Patients under Certificates are admitted for Treatment. Fees: from 4 guineas a week upwards, according to requirements. A few vacancies exist for Ladies and Gentlemen at reduced fees on the recommendation of the Patient's own Physician.

Apply to Dr. J. A. SMALL.

Telephone: 80 Norwich. Telegrams: Small, 80 Norwich.

MALLING PLACE, KENT

For LADIES and GENTLEMEN of Unsound Mind.

Terms moderate. Apply to Resident Medical Superintendent. Telegrams: ADAM WEST MALLING. Telephone No. 2: MALLING.

Littleton Hall, Brentwood, Essex.

(18 miles from London.) 400 feet above sea.

A PRIVATE HOME for LADIES situated in large grounds. Voluntary, temporary, or certified cases received. Apply to Dr. HAYNES. Tel.: Brentwood 45.

FENSTANTON

Christchurch Road, Streatham Hill, S.W.2

A Private Home for the Treatment of LADIES with Mental and Nervous Disorders. Psycho-Therapy, Physio-Therapy, &c. 12 acres of grounds

Apply: **Dr. MADELINE R. LOCKWOOD,**
phone: TULSE HILL 7181 *Resident Physician Superintendent.*

THE RETREAT, YORK

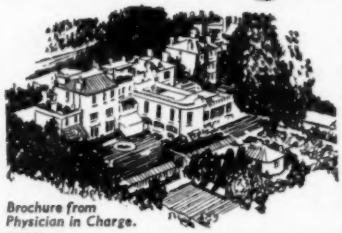
The Pioneer Hospital for the humane treatment of those suffering from Nervous and Mental Disorders, opened 1796.

This Hospital, administered by a Committee of the Society of Friends, combines what is best in the newer methods of investigation and treatment of nervous and mental illness with a sympathetic and friendly atmosphere.

The hospital, of 200 beds, admitted last year 110 patients, of whom 79 entered on a voluntary basis. It cannot be too widely known that much curative work is accomplished in modern mental hospitals today, and it is not generally appreciated that the recovery rate compares very favourably with that of General Hospitals.

For information and terms of admission, apply to
THE PHYSICIAN SUPERINTENDENT
Dr. Arthur Pool.

Sunnyside



Brochure from Physician in Charge.

Delightfully situated at the foot of the South Downs. Specially caters for patients convalescent or requiring a restful holiday, combined with facilities for treatment by Massage, Foam and other baths, Electrical (including ultra-short wave diathermy) and other physical methods. Electric lift. Medical Practitioners cordially invited to visit

Restorium

HASSOCKS - - SUSSEX 'Phone 103
(in association with fully licensed Downs Hotel)

MONTECATINI
near FLORENCE
Season: APRIL 1st—NOV. 30th.

ITALY'S FAMED HEALTH CENTRE
for the diseases of the Digestive Tract—Metabolism—Tropical Diseases—Rheumatism

DRINKING BATHING — MUDPACK CURES PHYSIOTHERAPY

Over 250 Hotels and Pensions of every description
All the attractions of a world-Spa ● Railway Reductions

Information: **ENIT—38 Piccadilly, London, W.1.** All Travel Agencies and *Ufficio Propaganda:* **Montecatini Terme (Pistoia) Italy.**

Smedley's
Great Britain's Greatest Hydro
Matlock

Unrivalled suites of Baths—Turkish and Russian Baths, Aix and Vichy Douches, Massage; Plombières Treatment. Studs Chair. Electric Installation for Baths and other Medical Purposes, Dowsing Radiant Heat, Infra-red Light, Artificial Sunlight, D'Arsonval High Frequency, Diathermy, Nauheim Baths, Soapless Foam Baths, etc. "Certified" Milk from own farm. Large Winter Garden. Orchestra. Special provision for Invalids. Night attendance. Over 60 trained Male and Female Nurses, Masseurs, Attendants, etc. *Resident Physicians:* GEOFFREY HOLMES, M.B. (Camb.), B.Ch., Consultant. H. RHYS DAVIES, B.A., M.B., B.Ch., B.A.O. **TERMS, 13s. to 18s. per day, include Turkish and other Baths.** *Illustrated Brochure C. 1, on request.*
'Phone: Matlock 17 (3 lines). *'Grams:* Smedleys, Matlock.

KINMEL HALL Rheuma Spa

Modern Spa Treatments, including Continental Piscany Mud, Scotch Douche and Birchner-Benner Diet, for Rheumatic and similar disabilities. Resident Physician. Excellent Recreational facilities. *Brochure from Secretary.*

ABERGELE - NORTH WALES

Westminster Hospital,
Broad Sanctuary, S.W.1.

Applications are invited for the following appointments for duty commencing 1st July, 1939.

Applications, accompanied by copies of three recent testimonials, should be addressed to the undersigned, from whom full particulars of the appointments may be obtained, on or before Saturday, May 27th.

Part-time CHIEF ASSISTANT AND REGISTRAR to the RADIOLOGICAL DEPARTMENT (Diagnostic). Candidates must be registered Medical Practitioners and hold a diploma in Radiology. The appointment is for one year and subject to annual re-election for two subsequent years. Salary £150 per annum.

Full-time CHIEF ASSISTANT AND REGISTRAR to the ELECTRICAL AND IRRADIATION UNIT. Candidates must be registered Medical Practitioners and hold a diploma in Radiology. The appointment is for one year and subject to annual re-election for two subsequent years. Salary £250 per annum.

By order of the House Committee,
CHARLES M. POWER, Secretary.

The Prince of Wales's General Hospital,
London, N.15.

Applications are invited for the appointment of HONORARY DENTAL SURGEON to The Prince of Wales's General Hospital.

Applications, together with copies of three recent testimonials, should reach the undersigned on or before Wednesday, May 3rd, 1939.

J. C. BURDETT, Director and House Governor.

April 3rd, 1939.

The Prince of Wales's General Hospital,
London, N.15.

Applications are invited for the appointment of HONORARY OFFICER to the SPEECH THERAPY AND LIP READING DEPARTMENT of The Prince of Wales's General Hospital.

Applications, together with copies of three recent testimonials, should reach the undersigned not later than, Wednesday, May 3rd, 1939.

J. C. BURDETT, Director and House Governor.

April 6th, 1939.

Royal Northern Hospital,
Holloway, N.7.

Applications are invited for the post of CONSULTING PHYSICIST. Small honorarium.

Full particulars of the office may be obtained from the undersigned, to whom applications should be sent by May 12th.

GILBERT G. PANTER, Secretary.

The Royal Cancer Hospital (Free)

(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

A Course of Study in Medical Radiology qualifying for the DIPLOMA IN MEDICAL RADIOLOGY of the University of London and the Royal Colleges of Physicians and Surgeons, will commence on TUESDAY, 3rd OCTOBER, 1939, at the Royal Cancer Hospital, Fulham-road, London, S.W.3.

The Course includes Theoretical and Practical Instruction in Clinical Radiology (Radiation Therapy and X-ray Diagnosis) and also Physics applied to Medical Radiology.

Full particulars may be obtained on application at the above address to the Secretary.

CLEMENT COBBOLD, Secretary.

St. Paul's Hospital for Urological and

SKIN DISEASES,
Endell-street, London, W.C.2.

Applications are invited for the post of Male HOUSE SURGEON. Candidates must be qualified and registered. Salary £100 per annum, with board-residence. The appointment is for three months in the first instance, and the holder will later be eligible for the post of Resident Medical Officer. During his appointment as House Surgeon the duties involve work in the surgical wards and in the out-patient department.

Applications, with copies of recent testimonials, to be submitted not later than the 22nd May. The successful candidate will be required to take up duty about the 9th June.

J. P. KEY CHISLETT, Secretary.

Golden Square Throat, Nose and Ear

HOSPITAL, London, W.1.

HOUSE SURGEON (Male) required to commence duties June 1st. Salary £100 per annum, with board, residence, and laundry.

Applications should be sent to the undersigned, together with copies of three recent testimonials, on or before May 12th, 1939.

F. P. CARROLL, Secretary-Superintendent.

The Hospital for Sick Children,

Great Ormond-street, London, W.C.1.

A RESIDENT MEDICAL ASSISTANT AND CLINICAL PATHOLOGIST is required on the 1st July, 1939. Salary £125 per annum.

The appointment is tenable in the first instance for one year, but may be held for a period of two years, subject to re-election.

The morning duties will include those of an Out-patient Medical Registrar. The afternoons will be devoted to work in a section of the Pathological Department.

Candidates must be unmarried, possess a legal qualification to practise, and have held a responsible resident appointment at a General Hospital.

Applications must be received by NOON on Monday, the 29th May, 1939, and candidates must be prepared to attend for interview by the Joint Committee at 4.45 P.M. on Wednesday, 7th June, 1939.

Further particulars and forms of application are obtainable from the undersigned.

HERBERT F. RUTHERFORD, Secretary.

April, 1939.

Queen Charlotte's Maternity Hospital,

Marylebone-road, N.W.1.

Applications are invited from registered Medical Practitioners for the following appointments :—

ASSISTANT RESIDENT MEDICAL OFFICER (Male). Salary £80 per annum.

RESIDENT ANÆSTHETIST AND DISTRICT RESIDENT MEDICAL OFFICER, for six months. Salary £90 per annum.

RESIDENT ANÆSTHETIST, for three months. Salary £100 per annum.

With board, residence, and laundry allowance (4s. weekly). Appointments to commence on 1st July, 1939.

The Assistant Resident Medical Officer is appointed for three months, and on completion will be expected to proceed to the post of Senior Resident Medical Officer (salary £100 per annum). Obstetric experience desirable.

Applications, stating age, medical school, qualifications, and previous experience, with copies of three testimonials, should be sent to the Secretary by the 15th May.

H. B. STOKES, Secretary-Superintendent.

Royal London Ophthalmic Hospital

(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

Applications are invited for the posts of Two OUT-PATIENT OFFICERS, one to attend on Tuesdays and Fridays and one to attend on Wednesdays and Saturdays (mornings) each week.

Candidates must be registered Medical Practitioners.

Salary at the rate of £150 per annum. The Out-patient Officers will be appointed for a period of one year and will be eligible for reappointment.

Copies of regulations can be obtained on application.

Applications, with testimonials, stating age and qualifications together with photograph, must be received by the undersigned not later than 6th May, 1939.

A. J. M. TARRANT, Secretary.

Appointments for Medical Officers in The ROYAL AIR FORCE

Medical men are invited to apply for Short Service Commissions in the Royal Air Force.

Candidates must be registered under the Medical Acts and be not more than 31 years of age on entry.

The period of service is 3 years—extendible to 5 years. A gratuity of £400 or £1,000 is payable at the termination of 3 or 5 years respectively. Permanent commissions are awarded in a number of cases. These offer a pensionable career with the opportunity of extra leave on full pay for specialised study.

Applicants who hold—or are likely to hold—post-graduate appointments in civil hospitals may, on joining the Royal Air Force, be seconded until the termination of their appointments (for a period not exceeding one year) An antedate of commission, up to twelve months, is allowed for appointments held at approved hospitals.

Fuller information can be obtained from The Director of Medical Services, Air Ministry, Kingsway, London.

ROYAL NAVAL MEDICAL SERVICE

Vacancies exist for MEDICAL OFFICERS in the Royal Navy, and applications are invited for entry at the end of June, 1939.

Candidates below the age of 28 years are preferred, and they must be registered under the Medical Acts. No examination in professional subjects will be held but candidates will be required to attend for interview by a Selection Board.

Selected candidates will be entered for Service for a period of three years, which if desired is usually extended to five years at the discretion of the Admiralty.

Officers who leave the Service at the end of the initial period of three years will be eligible for a gratuity of £400, and those who leave at the end of five years for a gratuity of £1,000.

At the end of five years' Short Service permanent commissions will be given to selected officers who wish to make the Naval Medical Service their permanent career. Officers transferred to the permanent list will receive a gratuity of £1,000 (less Income Tax).

Full opportunities exist for transfer to the permanent list. Marriage Allowance is paid under the same conditions as for other Naval Officers.

Opportunities are available for officers on the permanent list for post-graduate study, to specialise, to take higher examinations and to obtain further qualifications.

Copies of the regulations for entry and conditions of Service, including rates of pay, allowances and retired pay, may be obtained from the Medical Director-General of the Navy, Admiralty, S.W.1, and from the Deans of all Medical Schools.

Applications for entry from intending candidates must be received not later than 30th May, 1939.

West London Hospital,
Hammersmith, W.6. (239 Beds.)

Required, One NON-RESIDENT CHILDREN'S OUT-PATIENT MEDICAL OFFICER (Part-time). The appointment is for six months in the first instance and may be extended for one further period of six months. Attendance will be required from 9.30 A.M. to 12.30 P.M. daily. Applicants may be Male or Female. Salary at the rate of £150 per annum and the appointment may be terminated by one month's notice on either side. Candidates must be registered under the Medical Act, and have held a resident appointment at a Children's Hospital or in the Children's Department of a General Hospital.

Applications, with copies of testimonials, in quadruplicate (which must be made on printed forms obtained from me), must reach me not later than first post on Friday, 5th May. Selected candidates will be required to call upon such members of the Medical Staff as directed, to be in attendance at a Meeting of the Medical Council on Friday, 12th May, at 4.30 P.M., and the House Committee Meeting at 5 P.M. the same day, when the appointment will be made.

H. A. MADGE, Secretary.

King Edward Memorial Hospital,
Ealing, W.13.
(145 Beds.)

CASUALTY OFFICER AND HOUSE SURGEON (Male) required. Six months' appointment with possibility of re-election for a further period. Salary £150 per annum, with usual residential emoluments.

Applications, stating age, experience, and qualifications, together with copies of two recent testimonials, should be sent to the undersigned not later than May 3rd, 1939.

R. A. MICKELWRIGHT, House Governor.

Central London Throat, Nose and Ear
HOSPITAL, Gray's Inn-road, W.C.1.

ASSISTANT SURGEONS.

There are vacancies for two Assistant Surgeons who must be Fellows of the Royal College of Surgeons of England, except in a case where, on the grounds of a candidate's distinguished research work in the specialty, the Electing Body agree to accept some other qualification.

Further information regarding the appointments may be obtained from the undersigned, by whom applications (accompanied by copies of not more than three testimonials) must be received by 8th May, 1939.

JOHN H. YOUNG, Secretary-Superintendent.

Mildmay Mission Hospital,
Austin-street, Bethnal Green, E.2.

The Hospital Council invites applications for the post of NON-RESIDENT MEDICAL SUPERINTENDENT, which will be vacant on July 10th.

Duties, particulars of which can be obtained from the Secretary, to commence as soon thereafter as possible.

Candidates must be fully qualified, and registered under the Medical Acts. Salary commencing £450 per annum.

The Council desires that applicants should be in full sympathy with, and able to participate in, the evangelistic work of the Hospital.

Applications, stating age, with copies of recent testimonials, should be sent to the Secretary not later than June 1st.

National Temperance Hospital,
Hampstead-road, N.W.1.

Applications are invited for the following post :—

HOUSE SURGEON. Salary £100 per annum, board, residence, and laundry allowance being provided.

The appointment is for a period of six months as from June 1st. Preference will be given to those who have held resident posts.

Candidates must submit applications stating qualifications, age, &c., with copies of not more than three testimonials, by Tuesday, May 2nd, addressed to the Secretary.

The Hospital for Women,
Soho-square, London, W.1.

Applications are invited for the post of RESIDENT MEDICAL OFFICER for a period of six months commencing 1st July, 1939. The salary is at the rate of £100 per annum, with board, residence, and laundry. Applications and testimonials must reach the undersigned by 13th May, 1939.

J. P. HEMING, Secretary.

London Jewish Hospital,
Stepney Green, E.1.
(General Hospital. 109 Beds.)

Candidates (Male) for the following resident appointments, which are for a period of six months commencing 1st June next, may obtain forms of application from the Secretary to whom applications, with copies of three recent testimonials, must be sent on or before Friday, 19th May, 1939 :—

RESIDENT MEDICAL OFFICER AND HOUSE PHYSICIAN. Salary at the rate of £150 per annum.

HOUSE SURGEON. Salary at the rate of £100 per annum.

CASUALTY OFFICER. Salary at the rate of £100 per annum.

APR 3 1939

Royal London Ophthalmic Hospital
(MOORFIELDS EYE HOSPITAL), City-road, E.C.1.

PATHOLOGIST AND CURATOR.

Applications are invited for the office of whole-time Pathologist and Curator. Candidates must be registered Medical Practitioners.

Salary will commence at the rate of £650 per annum, which salary will be augmented by fees from private work at the Hospital.

The Pathologist and Curator will be appointed for one year and will be eligible for reappointment yearly.

Applications, stating age and qualifications, with copies of testimonials, must be received by the undersigned not later than 15th May, 1939.

A copy of the Regulations governing the post will be sent on application.

A. J. M. TARRANT, Secretary.

Putney Hospital, Lower Common, S.W.15.
(76 Beds, including 18 Private Wards.)

Applications are invited for the post of RESIDENT MEDICAL OFFICER (Male). Previous hospital appointment essential. Salary £150 per annum, with certain emoluments from the Private Wards.

Applications, stating age and giving full particulars, must be received by the undersigned by 4th May.

H. SEYMOUR HADWEN, Secretary.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of SURGICAL REGISTRAR. Candidates must be duly qualified and registered under the Medical Act, and engaged in consulting practice only. Preference will be given to those holding the diploma of F.R.C.S. Eng.

The appointment is made for one year, subject to re-election. Honorarium £150 per annum.

Candidates must call upon each Member of the Medical Committee not later than Monday, 15th May, 1939. A copy of the rules and names and addresses of the Medical Committee may be obtained from the Secretary.

Applications, together with copies only of not more than three recent testimonials, to be sent to the undersigned not later than the first post on Monday, 15th May, 1939.

CLEMENT COBBOLD, Secretary.

The Royal Cancer Hospital (Free)
(Incorporated under Royal Charter),
Fulham-road, London, S.W.3.

Applications are invited for the post of HOUSE SURGEON, to commence duties on the 1st July, 1939.

Salary at the rate of £100 per annum. The appointment is for six months, and subject to rules, a copy of which may be obtained from the Secretary.

Applications to be made on a form, which will be supplied by the Secretary, together with three (copies only) testimonials, to be sent to the undersigned not later than the first post on Monday, 15th May, 1939.

CLEMENT COBBOLD, Secretary.

Borough of Finchley.

TEMPORARY ASSISTANT MEDICAL OFFICER FOR AIR-RAID PRECAUTIONS.

Applications are invited from duly qualified and registered Medical Practitioners (Male) for the temporary appointment of Assistant to the Medical Officer of Health for the purposes of Air-raid Precautions.

Preference will be given to candidates who have a knowledge of the scheme for the Casualty Services and experience in lecturing in First Aid.

The appointment is a whole-time one and the salary £500 per annum.

The successful candidate will be required to pass a medical examination by the Council's Medical Officer.

Applications, with copies of three recent testimonials, must be received by the undersigned not later than Wednesday, the 10th May, 1939.

R. M. FRANKLIN, Town Clerk.

Municipal Offices, Finchley, N.3, 25th April, 1939.

London County Council.

Applications invited from Medical Practitioners of at least one year's standing for undermentioned positions. Experience in resident appointment in general hospital for at least six months desirable. Married quarters not available.

ASSISTANT MEDICAL OFFICERS (Class II).—Salary £250 with board, lodging, and washing. Appointment for one year only in first instance (renewable for second year under certain conditions) at :—

(a) KING GEORGE V SANATORIUM, near Godalming, Surrey.
(b) GROVE PARK HOSPITAL, Lee, S.E.12.

Experience in non-pulmonary tuberculosis desirable.

Application forms obtainable (stamped, addressed, foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 15th May.

Canvassing disqualifies.

London County Council.

Applications invited from Women Medical Practitioners of at least one year's standing for appointment at WHITE OAK HOSPITAL (for children suffering from diseases of the eye), SWANLEY, KENT (364 Beds), as follows —

1. ASSISTANT MEDICAL OFFICER (Class I). Salary £350–£25–£425 a year, with board, lodging, and washing. Experience in a resident appointment in a general hospital and in ophthalmic work essential.

2. ASSISTANT MEDICAL OFFICER (Class II), non-resident. Salary £250, plus non-residential allowance of £120 a year and meals whilst on duty. Appointments are for one year only in first instance (renewable for a second year under certain conditions). Experience in a resident appointment in a general hospital and ophthalmic work desirable.

Application forms obtainable (stamped addressed foolscap envelope necessary) from Medical Officer of Health, Staff Division 2, County Hall, S.E.1, returnable by 8th May. Canvassing disqualifies.

Battersea General Hospital,
Battersea Park, S.W.11.
(85 Beds.)

Required immediately. Applications are invited for the post of CASUALTY OFFICER (part time—four mornings a week) at a salary of £60 per annum. Candidates must be fully qualified and registered, and preference will be given to candidates working for a higher medical or surgical degree. The appointment is for a period of six months.

Applications, with copies of two testimonials, to be sent to the Secretary.

King's College Hospital.

The Committee of Management invite applications for the post of ASSISTANT PHYSICIAN to the DIABETIC DEPARTMENT.

Applications, with copies of three testimonials, should be sent before May 8th to the House Governor, King's College Hospital, Denmark Hill, S.E.5, from whom particulars of the duties may be obtained.

Candidates must be Members or Fellows of the Royal College of Physicians of London.

Camberwell House Mental Hospital,

S.E.5.—There is a vacancy for a SECOND ASSISTANT MEDICAL OFFICER (Male). Salary £350 per annum, rising by annual increments of £25 to £400. Furnished quarters, board, and laundry provided in addition. Application should be made to the Medical Superintendent at the above address.

Middlesex County Council.

ASSISTANT MEDICAL OFFICER required in PUBLIC HEALTH AND SCHOOL MEDICAL DEPARTMENT. Qualified registered Medical Practitioners with special experience in ante-natal work. Public Health degree or diploma desirable. Whole-time duties under County Medical Officer include medical inspection of school-children, supervision of treatment of minor ailments, carrying out work under maternity and child welfare scheme, &c.

Salary £600 per annum, rising after two years by annual increments of £30 to £750 per annum, with out-of-pocket travelling expenses. Pensionable staff, subject to medical examination and one month's notice. Must reside in such district as required.

REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX.

RESIDENT ASSISTANT MEDICAL OFFICER, registered Medical Practitioner having held resident appointments in general hospitals. Whole-time duties, mainly in medical wards, under supervision of Medical Superintendent. Appointment, subject to medical examination and one month's notice, primarily for four years, but possibility of transfer to permanent staff with maximum salary £500 per annum. Salary £400–£25–£475 per annum, with board, lodging, and laundry. Preservation of pension rights under certain Acts.

Preliminary application forms obtainable by sending stamped addressed foolscap envelope to the undersigned immediately.

C. W. RADCLIFFE, "B.3," Clerk of the County Council.
Guildhall, Westminster, S.W.1.

The Royal Earlswood Institution,
REDHILL, SURREY.
(Under Mental Deficiency Acts.)

JUNIOR ASSISTANT MEDICAL OFFICER required. Applicants must be registered Practitioners, Males (British birth), unmarried. Inclusive salary at the rate of £350 per annum, with board, residence, and washing.

Previous experience in Mental Deficiency not essential, but the candidate appointed will be expected to take the D.P.M., facilities for which are available.

Applications, stating age, religion, and qualifications, with copies of three testimonials of recent date, to be sent at once to the Medical Superintendent of the Institution. The envelope to be endorsed "Assistant Medical Officer."

Urban Districts of Newton-le-Willows
AND GOLBORNE.

WHOLE-TIME MEDICAL OFFICER.

Applications are invited from qualified persons not exceeding forty-five years of age for the position of Medical Officer to each of the above-named Urban Districts under a joint appointment by the respective Councils; each Council is the Maternity and Child Welfare Authority for its District, and the duties will extend to responsibility for and clinical duties in this Branch of each Council's service and to the Medical Superintendency of the Infectious Diseases Hospital of the Newton-le-Willows U.D.C. (serving two other areas).

The person to be appointed must be a duly qualified Medical Practitioner, and must in addition be registered as a holder of a Diploma in Sanitary Science, Public Health or State Medicine He must not engage in private practice, and is to devote his whole time to the two offices.

The appointment will be subject to the provisions of Section 110 of the Local Government Act, 1933, and the Sanitary Officers (Outside London) Regulations, 1935; also to the provisions of the Local Government and Other Officers' Superannuation Act, 1937, for the purposes of which the person selected for appointment will be subject to a Medical examination.

The salary for the joint appointment will be £800 per annum, rising by annual increments of £25 to a maximum of £900 per annum. A travelling allowance of £50 per annum will also be paid, and in each district office accommodation and clerical assistance will be provided.

Applications (endorsed "Medical Officer") stating age, present position, past appointments, qualifications, and experience, accompanied by copies of not more than three recent testimonials, should be addressed to J. H. Warren at the Town Hall, Market-street, Newton-le-Willows, Lancs., so as to be received not later than NOON on Monday, 22nd May, 1939.

Canvassing will be a disqualification, and applications should be accompanied by a statement as to whether the applicant is related to any member or senior officer of either of the two Councils.

J. H. WARREN, Clerk of the Newton-le-Willows U.D.C.
H. ECKERSLEY, Clerk of the Golborne U.D.C.
Town Hall, Market-street, Newton-le-Willows, Lancs.
20th April, 1939.

Renfrew District Asylum, Dykebar,
PAISLEY.

APPOINTMENT OF MEDICAL SUPERINTENDENT.

The Joint Management Committee invite applications for the above appointment. Salary £900 per annum, with emoluments consisting of free house, rates, and taxes, valued at £90 per annum. Candidates must be registered Medical Practitioners, and a Diploma in Psychological Medicine is essential.

The salary and emoluments will be subject to deductions under the Asylum Officers' Superannuation Act, 1909.

Applications, stating age and qualifications, and details of previous experience, along with copies of three recent testimonials, to be sent on or before 10th May, 1939, to the undersigned, from whom details of the duties may be obtained.

Canvassing, direct or indirect, will be a disqualification.

J. C. FRASER, Clerk.
County Buildings, Paisley, 22nd April, 1939.

County Borough of Smethwick.

ST. CHAD'S HOSPITAL, BIRMINGHAM.

HOUSE SURGEON.

Applications are invited from registered Medical Practitioners for the appointment of House Surgeon at the Council's Municipal Hospital. The appointment will be for a period of six months with salary at the rate of £150 per annum with the usual emoluments. If the successful candidate is reappointed for a further period of six months, the salary will be at the rate of £200 per annum. St. Chad's Hospital contains 147 Beds, and the cases treated include general medical, acute surgical, and maternity patients. It is staffed by the Honorary Consultants of the Birmingham teaching hospitals.

Forms of application may be obtained from the Medical Superintendent, St. Chad's Hospital, Hagley-road, Birmingham, 16, to whom applications endorsed "House Surgeon," and accompanied by copies of three recent testimonials, must be delivered not later than 6th May, 1939.

Canvassing, directly or indirectly, will disqualify.

FRANK CHAPMAN, Town Clerk.
Council House, Smethwick, 25th April, 1939.

University of Liverpool and Liverpool
MATERNITY HOSPITAL.

Applications are invited for the resident post of OBSTETRIC ASSISTANT AND TUTOR. Candidates must have had experience in the teaching of Obstetrics, and preference will be given to one holding a higher surgical qualification.

The appointment is for two years, from October 1st, 1939, subject to three months' notice on either side during the period. Salary at the rate of £250 per annum for the first twelve months, rising to £300 per annum for the remaining twelve months, with board-residence.

Applications, accompanied by testimonials, with seven complete copies thereof, should be forwarded on or before Saturday, May 27th, 1939, to the Secretary, Liverpool Maternity Hospital, Oxford-street, Liverpool, 7, from whom further particulars may be obtained.

City of Manchester.

WITHINGTON HOSPITAL (1165 Beds) AND WITHINGTON INSTITUTION (1200 Beds).

APPOINTMENT OF DEPUTY MEDICAL SUPERINTENDENT.

The Public Health Committee invites applications from registered Medical Men for the post of Deputy Medical Superintendent and Senior Resident Medical Officer at the above-named hospital and institution.

Candidates must be unmarried and should possess a higher medical qualification. Preference will be given to applicants who have had administrative experience.

Salary £600 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

Full information and forms of application may be obtained from the Medical Officer of Health, P.O. Box No. 399, Town Hall, Manchester, 2, and applications for the post must be received by him not later than May 6th, 1939.

R. H. ADCOCK, Town Clerk.
Town Hall, Manchester, 2, 17th April, 1939.

City of Manchester.

MONSALL HOSPITAL FOR INFECTIOUS DISEASES.
(600 Beds.)

The Public Health Committee invites applications from registered Medical Men for the post of JUNIOR RESIDENT ASSISTANT MEDICAL OFFICER (Grade 2) at the above-named hospital.

Preference will be given to applicants who have held resident surgical and medical posts in a general hospital and have had special experience in bacteriology.

Salary £250 per annum, with board, residence, and laundry in addition, subject to the Manchester Corporation conditions of service.

The appointment will be made in the first instance for a period of six months, renewable for a further six months but not renewable thereafter.

Full information and forms of application may be obtained from the Medical Officer of Health, Town Hall, Manchester, 2, and applications for the post must be received by him not later than 5th May, 1939.

R. H. ADCOCK, Town Clerk.
Town Hall, Manchester, 2, 17th April, 1939.

City of Birmingham.

SELLY OAK HOSPITAL, 520 Beds.

JUNIOR MEDICAL OFFICERS (Male).

Applications are invited from fully qualified Medical Practitioners for the whole-time appointments of Junior Medical Officers (Male) at the Selly Oak Hospital, Birmingham. The appointments will be for periods of six months in the first instance, but may be extended at the end of that time for further periods of not exceeding six months.

Salary at the rate of £200 per annum, and full residential emoluments.

Further particulars may be obtained from the Medical Superintendent at Selly Oak Hospital, to whom applications, stating age, experience, and qualifications, with copies of recent testimonials, should be forwarded not later than Wednesday, 3rd May, 1939.

F. H. C. WILTSHIRE, Town Clerk.
The Council House, Birmingham, April, 1939.

Leicester Royal Infirmary.
(500 Beds.)

RESIDENT RADIOLOGIST.

Applications are invited for the above post.

The successful candidate will be expected to act as House Physician to the Radiologist and assist in the diagnostic and therapeutic sides of the X Ray department.

The appointment is for six months in the first instance, and the salary is at the rate of £200 per annum, together with board, residence, and laundry.

Candidates holding the diploma of Radiology preferred but not essential.

Applications, giving full particulars as to age, qualifications, experience, and accompanied by not more than three testimonials, should be sent not later than 3rd May to the House Governor and Secretary.

17th April, 1939.

City of Manchester Education
COMMITTEE

APPOINTMENT OF SCHOOL MEDICAL OFFICER.

Applications are invited for the post of School Medical Officer from candidates who possess the necessary qualifications. Salary £1000 per annum.

The form of application and a copy of the particulars and conditions of appointment may be obtained from the undersigned. The last date for the receipt of applications is 6th May, 1939.

Canvassing, directly or indirectly, will disqualify a candidate.

W. O. LESTER SMITH, Director of Education.
Education Offices, Deansgate, Manchester 3,
17th April, 1939.

Manchester Royal Infirmary and UNIVERSITY OF MANCHESTER.

DICKINSON SCHOLARSHIPS—1939

TRAVELLING SCHOLARSHIP—MEDICINE £300.
SCHOLARSHIP IN PATHOLOGY—£75.

Applications are invited for the Travelling Scholarship in Medicine, value £300, and for a Scholarship in Pathology value £75, each tenable for one year.

Candidates must be Graduates of any University who have taken their full course of instruction in Medicine and Surgery at the University of Manchester and at the Manchester Royal Infirmary.

Copies of the regulations governing the Scholarships may be obtained from the undersigned, to whom six copies of application should be sent not later than Saturday, May 13th, 1939.

F. J. CABLE,
General Superintendent and Secretary,
Manchester Royal Infirmary.

The University of Liverpool.

FACULTY OF MEDICINE.

The Council invites applications for the CHAIR OF SURGERY, the appointment to be for a period of five years and to date from 1st October, 1939.

Application (eighteen copies), together with the names of three external referees, must be received not later than 15th May, 1939, by the undersigned, from whom further particulars may be obtained. Testimonials are not required.

STANLEY DUMBELL, Registrar.

April, 1939.

The Queen's University of Belfast.

MUSGRAVE STUDENTSHIPS.

Applications are invited for five Musgrave Studentships, each of a value of £200 per annum, in Pathology, Biology, Chemistry, Physics, and Physiology. The appointments will date from 1st October, 1939, and will be tenable for one year each, but are renewable for a further period.

Applications must be lodged with the Secretary before 1st June, 1939, on forms which may be had on application to the undersigned.

RICHARD H. HUNTER, Secretary.

Queen's University, Belfast.

University of Aberdeen.

The Senatus will award A. W. GARDEN FELLOWSHIPS in June, 1939, for the period commencing 1st October, 1939. The Fellowships are of the annual value of not less than £200 and are normally tenable for from 3 to 5 years in any of the Departments of the Faculty of Medicine in the University of Aberdeen. Graduates in Medicine of any British University are eligible, but preference will be given to Medical Graduates of the University of Aberdeen with suitable qualifications.

Applications must be lodged before 31st May, 1939, with the Secretary of the University of Aberdeen, Marischal College, Aberdeen, from whom particulars may be obtained.

CEYLON

Applications are invited for the post of PROFESSOR OF PHYSIOLOGY AND REGISTRAR at the CEYLON MEDICAL COLLEGE.

Candidates must be British subjects, preferably between the ages of thirty-five and forty-five, and must be graduates of a British University and/or associated with the British Medical Research Council. They must show evidence of having devoted special attention to Physiology such as would be indicated by an original published work, and of having engaged in teaching Physiology in a recognised Medical School for at least two years. The possession of a special degree in Physiology will be considered an added advantage.

The selected candidate will be in charge of the teaching of Physiology both theoretical and practical, and will also be required to undertake the duties of Registrar of the College.

SALARY.—£1150 a year.

QUARTERS.—Government quarters are provided at a rental of 6 per cent. of salary or an allowance is given in lieu.

PASSAGES.—Free first class passages will be provided for the officer and his family on first appointment and on satisfactory completion of agreement.

The appointment will be for a period of five years.

Further particulars and forms of application may be obtained from the Director of Recruitment (Colonial Service), 8, Buckingham Gate, London, S.W.1. Completed applications must be received not later than May 20th, 1939.

County Mental Hospital, Prestwich, MANCHESTER.

LOCUM TENENS (with a possibility of permanency) Male MEDICAL OFFICER, age not exceeding thirty-five, required at the above Hospital which is a Training School. Salary £7 7s. per week, with board, lodging, and laundry. Copy testimonials only must be sent.

Candidates must be unmarried and registered under the Medical Act. Appointment terminable by one week's notice on either side.

Apply as soon as possible, stating age, hospital and other experience, qualifications, and full particulars to the Medical Superintendent.

County Borough of Rotherham.

SENIOR SCHOOL MEDICAL OFFICER AND DEPUTY MEDICAL OFFICER OF HEALTH.

Applications are invited from fully qualified Medical Practitioners (Male) for the above whole-time appointment at a commencing salary of £750 per annum, rising by three biennial increments of £50 and one of £37 10s. to £937 10s.

Applicants must possess the D.P.H. and have had previous experience in the work of the school medical service, maternity and child welfare, and general public health.

The successful candidate will be responsible, under the direction of the Medical Officer of Health, for the whole of the duties appertaining to the School Medical Service, and for carrying out administrative and other duties in connexion with maternity and child welfare and general public health.

The appointment is subject to the Local Government Superannuation Act, 1937, and the successful candidate will be required to pass a medical examination as to physical fitness.

The appointment will be terminable by three months' notice on either side.

Applications, stating age, experience, and qualifications accompanied by copies of not more than three recent testimonials, and endorsed "Senior School Medical Officer," must be received by the undersigned not later than May 10th, 1939.

Forms of application may be obtained from the Medical Officer of Health, Municipal Offices, Rotherham.

CHAS. L. DES FORGES, Town Clerk.

Municipal Offices, Rotherham.

West Sussex County Council.

RESIDENT MEDICAL SUPERINTENDENT AND ASSISTANT COUNTY MEDICAL OFFICER OF HEALTH.

Applications are invited from registered Medical Practitioners under forty-five years of age for the appointment of Resident Medical Superintendent of ST. RICHARD'S HOSPITAL (140 Beds), CHICHESTER, and Assistant County Medical Officer of Health. Preference will be given to applicants who have held resident surgical and medical posts and who have had experience of administration in a General Hospital or a Poor Law Hospital. The Medical Superintendent will be attached to the Staff of the County Medical Officer of Health and may be required to act in an advisory and administrative capacity in respect of other Institutions belonging to the County Council.

Salary, £700 per annum, rising by annual increments of £50 to £1000 per annum, together with house, &c., valued at £100 per annum. The selected candidate will be required to pass a satisfactory medical examination.

Forms of application, together with a list of duties and conditions of appointment, may be obtained from the undersigned, and should be returned to him not later than Thursday, 11th May, 1939.

T. C. HAYWARD, Clerk of the County Council.

County Hall, Chichester, 24th April, 1939.

Portsmouth and Southern Counties EYE AND EAR HOSPITAL, Pembroke-road, Portsmouth.

HOUSE SURGEON. (Male.)

Applications are invited from registered Medical Practitioners for the above post shortly becoming vacant. Salary £150 per annum, plus board and lodging.

Applications, giving particulars of age, experience, and nationality, together with copies of recent testimonials, to be addressed to the Secretary not later than the 13th May, 1939.

Applicants should be single.

District Infirmary, Ashton-under-Lyne.

(200 Beds, mainly Surgical.)

HOUSE SURGEON required immediately.

Six months' appointment, which may be renewed.

The Staff comprises a Resident Surgical Officer, a Casualty Officer, and two House Surgeons.

Salary at the rate of £150 per annum, with board, residence, and laundry.

Applications, with testimonials, to be sent at once to the undersigned.

FRANK OLIVER,
General Superintendent and Secretary.

Warneford Hospital for Mental DISORDERS, OXFORD.

LOCUM TENENS (Male) wanted for three months from 14th June. Salary 7 guineas per week with board, lodging, and laundry. Psychiatric experience an advantage.

Apply as soon as possible to the Physician Superintendent.

General Hospital, Nottingham.

(389 Beds.)

A RESIDENT CASUALTY OFFICER (Male) is required at the above Institution. The appointment is for six months, with salary at the rate of £150 a year, with board, residence, and laundry.

Candidates are desired to send applications, stating age, qualifications, and experience, together with copies of testimonials, to the undersigned.

Duties to commence on Saturday, 17th June, 1939.

HENRY M. STANLEY, House Governor and Secretary.

Lancashire County Council.

APPOINTMENT OF ASSISTANT COUNTY MEDICAL OFFICER.

The Lancashire County Council invite applications from registered Medical Practitioners for the post of Assistant County Medical Officer.

Applicants must not be over forty years of age and must possess a Diploma in Public Health.

The duties of the post include the Medical Inspection of school-children; maternity and Child Welfare work; general Public Health work; and such other duties as may from time to time be imposed by the County Council.

The candidate appointed will be required to devote his whole time to the service of the County Council, to pass a medical examination, and to contribute to the Council's Superannuation Fund. The salary will be £800 a year, rising, subject to satisfactory service, by annual increments of £50 to a maximum of £1000 a year, together with travelling expenses.

The successful candidate may also be required to act as Medical Officer of Health of one or more County Districts in which case certain alterations in the conditions of service would be necessary.

Applications must be made upon a form which can be obtained, together with further particulars, from the County Medical Officer of Health, School Medical and Child Welfare Department, County Offices, Preston, to whom the completed forms should be returned not later than the 9th May. All communications must be endorsed "Assistant County Medical Officer."

Any form of canvassing is strictly forbidden, and will disqualify.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, April, 1939.

Lancashire County Council.

BIDDULPH GRANGE ORTHOPÆDIC HOSPITAL.

Applications are invited from duly qualified and registered Medical Practitioners (unmarried) for the post of JUNIOR HOUSE SURGEON at the above Hospital, which contains 88 beds.

Salary is at the rate of £200 per annum, together with board, residence, and laundry.

Preference will be given to candidates who have held resident hospital appointments and who are competent anæsthetists. The appointment will be for a period of six months in the first instance, and for a further six months at the option of the County Council, but will not be renewable after that time.

Applications, with copies of two recent testimonials, should be sent not later than the 4th May, 1939, to Dr. F. Hall, School Medical and Child Welfare Department, County Offices, Preston.

Duties to commence 1st June, 1939.

GEORGE ETHERTON, Clerk of the County Council.

County Offices, Preston, 14th April, 1939.

Graylingwell Hospital, Chichester.

DEPUTY MEDICAL SUPERINTENDENT.

The Visiting Committee invite applications from duly qualified Medical Practitioners for the above post. Considerable Mental Hospital experience is essential, and a practical knowledge of modern methods of psychiatric treatment is desirable.

The commencing salary will be £700 per annum, rising by two annual increments of £25 to a maximum of £750 per annum, together with emoluments consisting of house, coal, laundry and garden produce, valued for superannuation purposes at £100 per annum. An additional £50 per annum will be paid for the D.P.M.

A fully equipped Laboratory is available, and ample opportunities will be afforded for Research work.

Applications endorsed "Deputy Medical Superintendent," stating full particulars of qualification, experience, age, &c., and accompanied by copies of three recent testimonials, should be addressed to the Medical Superintendent, to arrive not later than May 9th.

Lincolnshire Joint Board for the MENTALLY DEFECTIVE.

APPOINTMENT OF ASSISTANT MEDICAL OFFICER.

The Lincolnshire Joint Board for the Mentally Defective invite applications from single persons registered under the Medical Acts and experienced in the institutional care and treatment of mental defectives, for the post of Assistant to the Medical Superintendent of the HARMSTON HALL COLONY. The Colony, with four ancillary Institutions, provides accommodation for 745 high grade and low grade male and female mental defectives of all ages. Salary £350, rising by annual increments of £25 to £450 per annum with emoluments (board, quarters, &c.) valued at £100. Travelling expenses will be paid in accordance with the scale of the Joint Board for the time being in force. The officer appointed will be required to assist the Medical Superintendent generally in the performance of his duties and to devote the whole of his time to the duties of the office. The appointment will be subject to medical examination for superannuation under the Asylums Officers' Superannuation Act, 1909, as amended by the Asylums and Certified Institutions (Officers' Pensions) Act, 1918.

Applications, on the form which may be obtained from the undersigned, together with copies of not more than three recent testimonials, must be received by me not later than 6th May, 1939.

ERIC W. SCORER, Clerk to the Joint Board.

County Offices, Lincoln.

County Borough of Bolton.

BOROUGH ISOLATION HOSPITAL.
RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from duly qualified Medical Men for the position of Resident Assistant Medical Officer.

Candidates must have had experience in the treatment of cases of infectious disease in an Isolation Hospital. The duties will include the medical care of patients in the Isolation Hospital, assisting at the Male Venereal Diseases Clinics, and such other work as the Medical Officer of Health may direct.

The person appointed will be required to reside at the Isolation Hospital. The salary will be £450 per annum, together with board and residence, valued at £150 per annum. Married quarters are not available. The appointment will be subject to the provisions of the Local Government Superannuation Act, 1937, and to the selected candidate passing satisfactorily a medical examination.

Forms of application, with particulars of the duties, may be obtained from the Medical Officer of Health, Public Health Department, Civic Centre, Bolton, and completed applications, with copies of three recent testimonials, should be sent to the undersigned not later than 8th May, 1939.

Canvassing, either directly or indirectly, will be a disqualification.

PHILIP S. RENNISON, Town Clerk.

Town Hall, Bolton, 21st April, 1939.

Salop County Council.

(*a*) DEPUTY COUNTY MEDICAL OFFICER OF HEALTH AND DEPUTY SCHOOL MEDICAL OFFICER (Male).
(*b*) ASSISTANT MEDICAL OFFICER OF HEALTH AND ASSISTANT SCHOOL MEDICAL OFFICER (Male).

Applications for the above posts are invited from duly registered Medical Practitioners who possess a recognised qualification in Public Health and have had at least three years' experience in the practice of their profession.

For the position of Deputy previous experience is essential in Maternity and Child Welfare and School Medical Inspection work and very desirable in the administrative work of a Public Health Department. The commencing salary will be at the rate of £700 per annum, rising by annual increments of £25 to £750 (together with a travelling allowance in accordance with the County Scale).

The duties of Assistant Medical Officer will include medical inspection of school-children, Maternity and Child Welfare work, and attendances at associated clinics. The salary will be at the rate of £600 per annum, rising by annual increments of £25 to £700 per annum (together with a travelling allowance in accordance with the County Scale).

Both appointments will be determinable by three months' notice on either side, and each officer appointed will be required to devote the whole of his time to the performance of the duties assigned to him by the County Medical Officer.

Applications, accompanied by a copy of three recent testimonials, should be submitted not later than Tuesday, 9th May, to the County Medical Officer, County Health Offices, Shrewsbury, from whom the necessary forms and conditions of service can be obtained.

W. L. EDGE, Clerk of the Council.

Shirehall, Shrewsbury, 17th April, 1939.

University of Durham.

KING'S COLLEGE, NEWCASTLE-UPON-TYNE.

ASSISTANT BACTERIOLOGIST IN THE PUBLIC HEALTH LABORATORY.

Applications are invited from qualified Medical Practitioners for the above post. Preference will be given to a person having previous experience in bacteriological work and holding a Diploma of Public Health.

Commencing salary at the rate of £400 per annum.

Applications up to Monday, 8th May, should be lodged with the undersigned from whom further information can be obtained if required.

W. G. B. OLIVER, Registrar.

King's College, Newcastle-upon-Tyne, 2.

Croydon General Hospital.

A vacancy has occurred on the Honorary Staff of the above Hospital for an ASSISTANT to the Surgeon in Charge of the UROLOGICAL AND PROCTOLOGICAL DEPARTMENT.

Candidates for the appointment are requested to forward their applications, together with statements of their qualifications, age, experience, and copies of not more than three testimonials, to the undersigned not later than 6th May, 1939.

GEORGE H. DAMS, House Governor and Secretary.

14th April, 1939.

Croydon General Hospital.

Vacancies have occurred on the Honorary Staff of the above Hospital for Two ASSISTANT SURGEONS.

Candidates for the appointments are requested to forward their applications, together with statements of their qualifications, age, experience, and copies of not more than three testimonials, to the undersigned not later than 6th May, 1939.

GEORGE H. DAMS, House Governor and Secretary.

14th April, 1939.

AMENDED ADVERTISEMENT.

County Borough of Bury.

ASSISTANT MEDICAL OFFICER OF HEALTH. (Male.)

The Corporation of Bury invite applications for the post of whole-time Assistant Medical Officer of Health.

Applicants, who must be not more than forty-five years of age, must have had at least three years' experience in their profession, and it is desirable that they should have some knowledge in the diagnosis and treatment of venereal diseases, and in maternity and child welfare work, including the conduct of Infant Welfare and Ante-natal Clinics.

The successful applicant must devote the whole of his time to the duties of his appointment. An opportunity will be given to acquire a knowledge of general Public Health work.

The post is designated under the Local Government and Other Officers' Superannuation Act, 1922, and the officer appointed will be required to pass a medical examination.

The appointment will be terminable by three months' notice on either side.

The salary will be £500 per annum, rising by annual increments of £25 to a maximum of £700.

Applications, endorsed "Assistant Medical Officer of Health," and accompanied by copies of three recent testimonials, must be forwarded to the undersigned to arrive not later than Monday, 1st May, 1939.

Canvassing in any form will disqualify.

RICHARD MOORE, Town Clerk.

Municipal Offices, Bank-street, Bury, 21st April, 1939.

Glasgow Royal Infirmary.

Applications are invited from Registered Medical Practitioners for the post of whole-time RADIOLOGIST to take charge of X RAY DEPARTMENTS of Glasgow Royal Infirmary from 1st October next.

Full particulars may be obtained from the Interim Superintendent, Glasgow Royal Infirmary, 84, Castle-street, Glasgow, C.4.

Candidates are requested to lodge with the undersigned not later than 15th May, 1939, fifteen copies of application and three relative testimonials.

No canvassing, either directly or indirectly, is permitted.

R. MORRISON SMITH, Secretary and Cashier.

Royal Infirmary Office, 135, Buchanan-street, Glasgow, C.1.

Cardiff Royal Infirmary.

NATIONAL RADIUM CENTRE.

Applications are invited for the post of RADIUM REGISTRAR (Male or Female) to the Cardiff Royal Infirmary.

Applicants must be duly qualified Medical Practitioners. Previous clinical experience in Radium work is essential.

The remuneration will be at the rate of £400 per annum, with board and residence.

The successful applicant will in the first place be appointed for a period of three months, which will normally be extended to twelve months, and which may further be extended for a second year.

Applicants are asked to state the earliest date on which they could commence duty.

Intending applicants should apply to the undersigned, who will furnish an application form which should be returned completed, together with copies of three testimonials, at the earliest possible moment.

R. ARMSTRONG,
Medical Superintendent, Cardiff Royal Infirmary.

20th April, 1939.

City of Stoke-on-Trent Education COMMITTEE.

ASSISTANT SCHOOL MEDICAL OFFICER.

Applications are invited from registered and fully qualified Medical Practitioners (Men) for the post of Assistant School Medical Officer.

Salary Scale: £500 to £700 per annum by annual increments of £25 subject to satisfactory service.

The person appointed may be placed on an appropriate point of the Scale according to previous experience in similar work.

The successful candidate will be required to devote the whole of his time to the duties of the office, and work under the immediate direction of the Senior School Medical Officer. The duties will consist mainly of Routine Medical Inspection and School Clinic work, and the appointment will be subject to the Local Government Superannuation Act, 1937.

Canvassing will be considered a disqualification. Forms of application may be obtained from the undersigned on receipt of a stamped, addressed, foolscap envelope, and completed forms should be submitted not later than 10th May, 1939.

J. F. CARR, Director of Education.

Education Offices, Town Hall, Hanley, Stoke-on-Trent.

19th April, 1939.

Royal Isle of Wight County Hospital, RYDE, ISLE OF WIGHT.

HOUSE PHYSICIAN wanted, with care of Casualty and Special Departments for June 1st, lady, unmarried, qualified and registered. Salary at the rate of £130 a year, with board, residence, and laundry.

Apply, stating age and nationality, enclosing copies of testimonials to Secretary, before Wednesday, May 17th. Return third class fare for selected candidates.

A. S. GORDON, Secretary.

Borough of Epsom and Ewell.

APPOINTMENT OF TEMPORARY ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners (Male or Female) for the above appointment. Female applicants may be married or unmarried.

The successful candidate will be under the direction of the Medical Officer of Health and will be required to devote the whole of his or her time to work in connexion with the Council's Air-Raid Precautions Scheme, and to commence duty on Monday, 26th June, 1939.

Applicants should have had experience in lecturing and training in First-Aid and anti-gas precautions.

Salary will be at the rate of £500 per annum, and the appointment will be determinable by one month's notice on either side.

Forms of application may be obtained from the undersigned to whom they should be returned, accompanied by copies of three recent testimonials, not later than Monday, 15th May, 1939.

Canvassing members of the Corporation, directly or indirectly, for the appointment will disqualify candidates. Candidates are required to state, on the forms of application provided, whether or not to their knowledge they are related to any member of, or the holder of any principal office under the Corporation; candidates who fail so to do will be disqualified for the appointment, and, if appointed, will be liable to dismissal without notice.

P. E. WHITEOAK-COOPER, Town Clerk.

Town Hall, The Parade, Epsom, 20th April, 1939.

AMENDED ADVERTISEMENT.

County Borough of Burnley.

ASSISTANT MEDICAL OFFICER (Female).

Applications are invited from duly qualified and registered Medical Practitioners (Female), not exceeding forty years of age, for the appointment of Assistant Medical Officer of Health. The duties will be mainly those connected with Maternity and Child Welfare and the Council's Maternity Hospital.

The salary will be £600 per annum, rising, subject to satisfactory service, by £25 per annum, to a maximum of £700 per annum, less a deduction of £125 per annum for board, lodging, and laundry.

The successful candidate will be required to devote whole-time to the service of the Council and to reside in the quarters provided.

The appointment will be subject to the provisions of the Local Government Act, 1937, and the successful candidate will be required to pass a Medical Examination.

Further particulars of duties, conditions of appointment and forms of application may be obtained from the Medical Officer of Health, 27, St. James'-street, Burnley, to whom applications, together with copies of three recent testimonials, should be sent not later than 17th May, 1939.

Canvassing, either directly or indirectly, will be a disqualification.

HARRY PLOWMAN, Town Clerk.

Town Hall, Burnley, 20th April, 1939.

ASSISTANT PORT HEALTH OFFICER

Required by the Government of Iraq for the BASRAH PORT DIRECTORATE for a period of three years. Salary, Iraqi dinars 70 a month (I.D. equals £1). A higher salary would be considered according to qualifications and experience. Free first-class passages and liberal leave on full salary. Candidates, preferably under thirty years of age, should possess the Diploma of Public Health or the Diploma of Tropical Medicine and Hygiene and have had Port Health experience.

Apply at once by letter, stating age, whether married or single, and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4, Millbank, London, S.W.1, quoting M/6602.

Surrey County Council.

PUBLIC ASSISTANCE DEPARTMENT.

RICHMOND INSTITUTION.
(280 Beds.)

APPOINTMENT OF RESIDENT ASSISTANT MEDICAL OFFICER.

Applications are invited from registered Medical Practitioners for the appointment of Resident Assistant Medical Officer at the Grove-road Institution, Richmond. The Institution is administered by the Public Assistance Committee of the Council.

Applicants should have had experience as a house surgeon or physician. The appointment is for a period of six months renewable for a further period of six months and the salary is at the rate of £250 per annum, together with full residential emoluments valued at £125 per annum.

Applications, stating age, qualifications, and experience, and enclosing copies of not more than three recent testimonials, should be endorsed "Resident Assistant Medical Officer" and sent to the County Medical Officer, County Hall, Kingston-upon-Thames, so as to reach him not later than 6th May, 1939.

DUDLEY AUKLAND, Clerk of the Council.

County Hall, Kingston-upon-Thames, 22nd April, 1939.

The General Hospital, Birmingham.
(The Birmingham United Hospital.)

Applications are invited for the post of RESIDENT SURGICAL OFFICER. Candidates must be Fellows of one of the Royal Colleges of Surgeons and must also possess a medical qualification and be registered. The salary will be £180 per annum (plus certain fees), with board, residence, and laundry.

The appointment will be made for one year from July 1st next and be subject to annual renewal for two subsequent years.

Applications, with certificates of registration and copies of testimonials, should be sent by May 19th to the undersigned from whom further particulars may be obtained.

A. H. LEANEY, House Governor.

April 22nd, 1939.

The King Edward VII Welsh National
MEMORIAL ASSOCIATION.

Applications are invited from duly registered Medical Practitioners (Male, single) for the post of ASSISTANT RESIDENT MEDICAL OFFICER (twelve months' appointment) at the NORTH WALES SANATORIUM (247 Beds for female pulmonary and male, female, and children non-pulmonary cases), DENBIGH, NORTH WALES.

Salary £200 per annum, plus maintenance.

Applications, stating age, qualifications, experience, &c., together with copies of three recent testimonials, should reach the undersigned not later than Wednesday, May 10th, 1939.

D. A. POWELL, Principal Medical Officer.

Memorial Offices, Cathays Park, Cardiff.

The Guest Hospital, Dudley.
(General Hospital. 139 Beds.)
The Resident Staff consists of a Resident Surgical Officer and three House Surgeons.

HOUSE SURGEON (Male) required. Duties to commence June 5th, 1939. Salary at the rate of £150 per annum, with furnished apartments, board, and laundry. Candidates must be fully qualified and registered.

Applications, stating age, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned.

H. RAYMOND HURST, House Governor and Secretary.

April 24th, 1939.

Liverpool Eye, Ear and Throat
INFIRMARY.

Applications (twenty copies) are invited for the post of HONORARY ASSISTANT AURAL SURGEON AND LARYNGOLOGIST at the above Infirmary. Testimonials are not required, but candidates must give the names of three persons to whom reference may be made. Every candidate must possess a registrable medical qualification.

Applications should be sent to the undersigned not later than 4th May, 1939.

WILLIAM LEAR, Secretary.

Cornwall County Mental Hospital,
BODMIN.

Applications are invited for the post of MEDICAL SUPERINTENDENT of the above Hospital. Applicants must be registered Medical Practitioners and have had extensive administrative experience in a Mental Hospital. The possession of the Diploma in Psychological Medicine or its equivalent is essential.

Salary £1000 per annum, with emoluments consisting of partly furnished house, coal, light, vegetables, and laundry, and purchasing at contract prices, valued at £250 per annum.

The post is designated in Class 1 of the Asylums Officers' Superannuation Act, 1909.

Form of application to be obtained from the Medical Superintendent, Cornwall Mental Hospital, Bodmin.

Applications, together with copies of three recent testimonials, in envelopes endorsed "Medical Superintendent," to be forwarded to the undersigned not later than the first post on the 18th May.

J. C. N. KILNER, Clerk to the Visiting Committee.

The Royal Albert Institution for the
FEEBLE-MINDED, LANCASTER.

Wanted, a RESIDENT JUNIOR ASSISTANT MEDICAL OFFICER (Male), registered, unmarried. Dental experience essential, and knowledge of refraction work an advantage. Commencing salary £375, if also qualified in Dentistry £425, with emoluments valued at £120 a year for superannuation purposes.

Applications, accompanied by copies of three recent testimonials and with two personal references, to the Medical Superintendent not later than Monday, 8th May, 1939.

Secretary-Superintendent wanted for
ROTHERHAM VOLUNTARY GENERAL HOSPITAL (130 Beds and large Out-patient Department). Preferably one holding Certificate of Incorporated Association of Hospital Officers.

Applications, which will be treated confidentially, stating age, experience, and salary required, to be addressed to G. W. ROBERTS, 8, Moorgate-street, Rotherham, marked "Confidential," not later than May 15th.

Warneford General Hospital,
LEAMINGTON SPA.
(164 Beds.)

Applications are invited from qualified registered Medical Practitioners for the post of SENIOR RESIDENT SURGICAL OFFICER. The appointment is for a period of twelve months which, on application, may be extended to two years.

Salary, £200 per annum, rising to £250 for second year; other fees estimated at £75 per annum, with board, residence, and laundry.

Candidates for the post should have held at least two resident House Surgeon's appointments and preferably possess an F.R.C.S. qualification.

Applications, stating age and full particulars, together with three testimonials, should be sent to the undersigned by Monday, 15th May, 1939.

EDWARD L. WIRGMAN, House Governor and Secretary.

The Children's Hospital, Sheffield.
(157 Beds.)

Applications are invited for the post of HOUSE SURGEON, vacant 28th April, 1939.

The appointment is for six months. Salary £100 per annum, with board, residence, and laundry.

Candidates (Male and unmarried), who must possess registered qualifications, should forward applications, stating age, nationality, &c., together with copies of three recent testimonials, to the undersigned.

T. H. G. GARTLAND, Superintendent and Secretary.

Barnwood House Hospital for Mental
AND NERVOUS DISORDERS, Nr. GLOUCESTER.

Required: SECOND ASSISTANT MEDICAL OFFICER. Male; single. Commencing salary £450 per annum, with board, residence, and laundry, plus an extra £50 per annum if possessing the D.P.M. Experience in Psychotherapy a recommendation. The Hospital has its own non-contributory pension scheme.

Applications, with copies of three recent testimonials, to be forwarded to the Medical Superintendent.

Altrincham General Hospital.
(100 Beds.)

Applications are invited for the post of (1) SENIOR HOUSE SURGEON, salary at the rate of £150 per annum; and (2) JUNIOR HOUSE SURGEON, salary at the rate of £120 per annum, both with board, &c., to commence duty on or about 8th May, 1939 (six months' appointment).

Applications, stating age, nationality, qualifications, &c., to be addressed to the undersigned not later than 3rd May, 1939.

E. A. BIDEN, Secretary.

Birmingham and Midland Eye Hospital.

Applications are invited from duly qualified Medical Practitioners for the post of RESIDENT SURGICAL OFFICER at the above Hospital. Salary £200 per annum and £10 laundry allowance.

The Resident Staff consists of a Resident Surgical Officer and three House Surgeons, and, in the event of one of the latter being promoted to the position of Resident Surgical Officer, applicants should state whether they will be willing to accept appointment as House Surgeon at a salary of £130 (rising at the end of six months' satisfactory service to £150) per annum.

Applications, with testimonials and evidence of registration, must be received not later than Monday, May 8th next.

J. W. PEARCE, House Governor.

Church-street, Birmingham 3.

Mapperley Hospital, Nottingham.

LOCUM TENENS MEDICAL OFFICER (Male—single) required June to September. Salary seven guineas per week, all found.

Applications immediately to the Medical Superintendent.

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Secretary-Dispenser, Lady, 37, qualified,
experienced, adaptable, desires Post. Preferably South. References.—Box 216, Smiths, Square, Bournemouth.

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practice or medical institution. Thirteen years' experience resident secretary-receptionist at nursing home. Non-resident post now required. Excellent testimonials.—Address, No. 596, THE LANCET Office, 7 Adam-street, Adelphi, W.C.2.

Lady, 28, seeks part-time post as SECRETARY-RECEPTIONIST with London doctor. Good appearance. Experienced stenographer. Fluent German. —Address, No. 593, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Theses, Lectures, Applications for Hospital Posts, &c., typed 2s. per 1000 and 3d. carbon copies.—Mrs. JEPSON, 11A, Eton Rise, N.W. Prim. 0857.

Permanent Male Assistant, nr. London Bridge, wanted. Experience unnecessary. Mod. salary. Write confidential, giving age, salary required, &c., to No. 597, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

Partner wanted in Surrey. Gross average receipts £3750 per annum. One-third Share for sale at two years' purchase. Hospital appointment assured. Address, No. 594, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

The National University of Ireland APPOINTMENTS COMMITTEE can recommend suitably qualified Medical Graduates as Locum Tenentes or Assistants. Medical practitioners who require such services should apply, stating all particulars to the Secretary, Appointments Committee, N.U.I., 86, St. Stephen's Green, Dublin. Telephone Dublin 51793.

Assistant required with a view to Partnership in a Radiological Practice in South Africa. Commencing salary £1200 to £1500 according to experience, but may be increased for exceptional qualifications.—Address, No. 569, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

F R.C.S. (Eng.), M.B. (Lond.), 40, seeks PARTNERSHIP or appointment as SURGEON in specialising firm or otherwise. Extensive G.P. and surgical experience all branches. Income not less than £1800. Capital available.—Address, No. 580, THE LANCET Office, 7, Adam-st., Adelphi, W.C.2.

Wanted, Junior Partner in old-established PRACTICE near London. Non-panel, non-dispensing. Share worth £1200 to £1400 at first, to be increased in two years. Age 27 to 31. University degree, house appointments, and some experience of general practice essential.—Address, No. 587, THE LANCET Office, 7, Adam-street, Adelphi, W.C.2.

London.—Cora Hotel. Upper Woburn-place, near B.M.A Headquarters. Accommodates 235 visitors. Modern comforts. Excellent table. A.A. and R.A.C. recommended. Room, bath, and table d'hôte breakfast, 8s. 6d.

Resident Patients.—Doctors desiring accommodation for private patients (mental, neurasthenic, invalid, &c.) may have, post free, illustrated BOOKLET describing residences, &c., of numerous colleagues in all parts—town, country, and seaside—who receive such patients.—Apply, Manager, British Medical Bureau, Tavistock House South, Tavistock-square, London, W.C.1.

The proprietor of Patent No. 437,130, for "Anatomic Splint," is desirous of entering into negotiations with a firm or firms for the grant of Licences under this Patent, or to treat for the sale of the same outright. Full particulars may be obtained from—
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PUBLISHED by the PROPRIETORS, THE LANCET LIMITED, 7, Adam Street, Adelphi, in the County of London, and printed by HAZELL, WATSON & VINEY, LTD., 52, Long Acre, W.C.2.—Saturday, April 29th, 1939.
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